

Selections from Plato's *Phaedo*  
(Benjamin Jowett, trans.)

[Socrates, who is awaiting his execution, has been arguing that a philosopher should welcome death. In particular, he has argued, in part by way of considerations we will look at next time, that the soul has best access to truth when it is freed from the body.]

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77d-84b

... I suspect that you and Simmias would be glad to probe the argument further; like children, you are haunted with a fear that when the soul leaves the body, the wind may really blow her away and scatter her; especially if a man should happen to die in stormy weather and not when the sky is calm.

Cebes answered with a smile: Then, Socrates, you must argue us out of our fears—and yet, strictly speaking, they are not our fears, but there is a child within us to whom death is a sort of hobgoblin; him too we must persuade not to be afraid when he is alone with him in the dark.

Socrates said: Let the voice of the charmer be applied daily until you have charmed him away.

And where shall we find a good charmer of our fears, Socrates, when you are gone?

Hellas, he replied, is a large place, Cebes, and has many good men, and there are barbarous races not a few: seek for him among them all, far and wide, sparing neither pains nor money; for there is no better way of using your money. And you must not forget to seek for him among yourselves too; for he is nowhere more likely to be found.

The search, replied Cebes, shall certainly be made. And now, if you please, let us return to the point of the argument at which we digressed.

By all means, replied Socrates; what else should I please?

Very good, he said.

Must we not, said Socrates, ask ourselves some question of this sort?—What is that which, as we imagine, is liable to be scattered away, and about which we fear? and what again is that about which we have no fear? And then we may proceed to inquire whether that which suffers dispersion is or is not of the nature of soul—our hopes and fears as to our own souls will turn upon that.

That is true, he said.

Now the compound or composite may be supposed to be naturally capable of being dissolved in like manner as of being compounded; but that which is uncompounded, and that only, must be, if anything is, indissoluble.

Yes; that is what I should imagine, said Cebes.

And the uncompounded may be assumed to be the same and un-

changing, where the compound is always changing and never the same?

That I also think, he said.

Then now let us return to the previous discussion. Is that idea or essence, which in the dialectical process we define as essence of true existence—whether essence of equality, beauty, or anything else: are these essences, I say, liable at times to some degree of change? or are they each of them always what they are, having the same simple, self-existent and unchanging forms, and not admitting of variation at all, or in any way, or at any time?

They must be always the same, Socrates, replied Cebes.

And what would you say of the many beautiful—whether men or horses or garments or any other things which may be called equal or beautiful—are they all unchanging and the same always, or quite the reverse? May they not rather be described as almost always changing and hardly ever the same either with themselves or with one another?

The latter, replied Cebes; they are always in a state of change.

And these you can touch and see and perceive with the senses, but the unchanging things you can only perceive with the mind—they are invisible and are not seen?

That is very true, he said.

Well, then, he added, let us suppose that there are two sorts of existences, one seen, the other unseen.

Let us suppose them.

The seen is the changing; and the unseen is the unchanging.

That may be also supposed.

And, further, is not one part of us body, and the rest of us soul?

To be sure.

And to which class may we say that the body is more alike and akin?

Clearly to the seen: no one can doubt that.

And is the soul seen or not seen?

Not by man, Socrates.

And by “seen” and “not seen” is meant by us that which is or is not visible to the eye of man?

Yes, to the eye of man.

And what do we say of the soul? is that seen or not seen?

Not seen.

Unseen then?

Yes.

Then the soul is more like to the unseen, and the body to the seen?

That is most certain, Socrates.

And were we not saying long ago that the soul when using the body as an instrument of perception, that is to say, when using the sense of sight or hearing or some other sense (for the meaning of perceiving through the body is perceiving through the senses)—were we not say-

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431<sup>b</sup>20-432<sup>a</sup>9

Let us now summarize our results about soul, and repeat that the soul is in a way all existing things; for existing things are either sensible or thinkable, and knowledge is in a way what is knowable, and sensation is in a way what is sensible: in what way we must inquire.

Knowledge and sensation are divided to correspond with the realities, potential knowledge and sensation answering to potentialities, actual knowledge and sensation to actualities. Within the soul the faculties of knowledge and sensation are potentially these objects, the one what is knowable, the other what is sensible. They must be either the things themselves or their forms. The former alternative is of course impossible: it is not the stone which is present in the soul but its form.

It follows that the soul is analogous to the hand; for as the hand is a tool of tools, so the mind is the form of forms and sense the form of sensible things.

Since according to common agreement there is nothing outside and separate in existence from sensible spatial magnitudes, the objects of thought are in the sensible forms, viz. both the abstract objects and all the states and affections of sensible things. Hence (1) no one can learn or understand anything in the absence of sense, and (2) when the mind is actively aware of anything it is necessarily aware of it along with an image; for images are like sensuous contents except in that they contain no matter.

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able afterwards to think objects that are less intelligible: the reason is that while the faculty of sensation is dependent upon the body, mind is separable from it.

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429<sup>b</sup>30-430<sup>a</sup>9

(1) Have not we already disposed of the difficulty about interaction involving a common element, when we said that mind is in a sense potentially whatever is thinkable, though actually it is nothing until it has thought? What it thinks must be in it just as characters may be said to be on a writing tablet on which as yet nothing actually stands written: this is exactly what happens with mind.

(2) Mind is itself thinkable in exactly the same way as its objects are. For (*a*) in the case of objects which involve no matter, what thinks and what is thought are identical; for speculative knowledge and its object are identical. (Why mind is not always thinking we must consider later.) (*b*) In the case of those which contain matter each of the objects of thought is only potentially present. It follows that while they will not have mind in them (for mind is a potentiality of them only in so far as they are capable of being disengaged from matter) mind may yet be thinkable.

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Since in every class of things, as in nature as a whole, we find two factors involved, (1) a matter which is potentially all the particulars included in the class, (2) a cause which is productive in the sense that it makes them all (the latter standing to the former, as e.g. an art to its material), these distinct elements must likewise be found within the soul.

And in fact mind as we have described it is what it is what it is by virtue of becoming all things, while there is another which is what it is by virtue of making all things: this is a sort of positive state like light; for in a sense light makes potential colours into actual colours.

Mind in this sense of it is separable, impassible, unmixed, since it is in its essential nature activity (for always the active is superior to the passive factor, the originating force to the matter which it forms).

Actual knowledge is identical with its object: in the individual, potential knowledge is in time prior to actual knowledge, but in the universe as a whole it is not prior even in time. Mind is not at one time knowing and at another not. When mind is set free from its present conditions it appears as just what it is and nothing more: this alone is immortal and eternal (we do not, however, remember its former activity because, while mind in this sense is impassible, mind as passive is destructible), and without it nothing thinks.

ing that the soul too is then dragged by the body into the region of the changeable, and wanders and is confused; the world spins round her, and she is like a drunkard when under their influence?  
Very true.

But when returning into herself she reflects; then she passes into the realm of purity, and eternity, and immortality, and unchangeableness, which are her kindred, and with them she ever lives, when she is by herself and is not let or hindered; then she ceases from her erring ways, and being in communion with the unchanging is unchanging. And this state of the soul is called wisdom?

That is well and truly said, Socrates, he replied.

And to which class is the soul more nearly alike and akin, as far as may be inferred from this argument, as well as from the preceding one?

I think, Socrates, that, in the opinion of everyone who follows the argument, the soul will be infinitely more like the unchangeable even the most stupid person will not deny that.

And the body is more like the changing?

Yes.

Yet once more consider the matter in this light: When the soul and the body are united, then nature orders the soul to rule and govern, and the body to obey and serve.

Now which of these two functions is akin to the divine? and which to the mortal? Does not the divine appear to you to be that which naturally orders and rules, and the mortal that which is subject and servant?  
True.

And which does the soul resemble?

The soul resembles the divine and the body the mortal—there can be no doubt of that, Socrates.

Then reflect, Cebes: is not the conclusion of the whole matter this?—that the soul is in the very likeness of the divine, and immortal, and intelligible, and uniform, and indissoluble, and unchangeable; and the body is in the very likeness of the human, and mortal, and unintelligible, and multiform, and dissoluble, and changeable. Can this, my dear Cebes, be denied?

No, indeed.

But if this is true, then is not the body liable to speedy dissolution? and is not the soul almost or altogether indissoluble?

Certainly.

And do you further observe, that after a man is dead, the body, which is the visible part of man, and has a visible framework, which is called a corpse, and which would naturally be dissolved and decomposed and dissipated, is not dissolved or decomposed at once, but may remain for a good while, if the constitution be sound at the time of death, and the season of the year favorable? For the body when shrunk and embalmed, as is the custom in Egypt, may remain almost entire through

infinite ages; and even in decay, still there are some portions, such as the bones and ligaments, which are practically indestructible. You allow that?

Yes.

And are we to suppose that the soul, which is invisible, in passing to the true Hades, which like her is invisible, and pure, and noble, and on her way to the good and wise God, whither, if God will, my soul is also soon to go—that the soul, I repeat, if this be her nature and origin, is blown away and perishes immediately on quitting the body as the many say? That can never be, dear Simmias and Cebes. The truth rather is that the soul which is pure at departing draws after her no bodily taint, having never voluntarily had connection with the body, which she is ever avoiding, herself gathered into herself (for such abstraction has been the study of her life). And what does this mean but that she has been a true disciple of philosophy and has practised how to die easily? And is not philosophy the practice of death?

Certainly.

That soul, I say, herself invisible, departs to the invisible world—to the divine and immortal and rational: thither arriving, she lives in bliss and is released from the error and folly of men, their fears and wild passions and all other human ills, and forever dwells, as they say of the initiated, in company with the gods. Is not this true, Cebes?

Yes, said Cebes, beyond a doubt.

But the soul which has been polluted, and is impure at the time of her departure, and is the companion and servant of the body always, and is in love with and fascinated by the body and by the desires and pleasures of the body, until she is led to believe that the truth only exists in a bodily form, which a man may touch and see and taste and use for the purposes of his lusts—the soul, I mean, accustomed to hate and fear and avoid the intellectual principle, which to the bodily eye is dark and invisible, and can be attained only by philosophy—do you suppose that such a soul as this will depart pure and unalloyed?

That is impossible, he replied.

She is engrossed by the corporeal, which the continual association and constant care of the body have made natural to her.

Very true.

And this, my friend, may be conceived to be that heavy, weighty, earthy element of sight by which such a soul is depressed and dragged down again into the visible world, because she is afraid of the invisible and of the world below—prowling about tombs and sepulchres, in the neighborhood of which, as they tell us, are seen certain ghostly apparitions of souls which have not departed pure, but are cloyed with sight and therefore visible.

That is very likely, Socrates.

Yes, that is very likely, Cebes; and these must be the souls, not of the

of what can rebound from a smooth surface when struck against it....

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429<sup>a</sup>18-24

The following results applying to any and every sense may now be formulated. (A) By a 'sense' is meant what has the power of receiving into itself the sensible forms of things without the matter. This must be conceived of as taking place in the way in which a piece of wax takes on the impress of a signet-ring without the iron or gold; we say that what produces the impression is a signet of bronze or gold, but its particular metallic constitution makes no difference: in a similar way the sense is affected by what is coloured or flavoured or sounding, but it is indifferent what in each case the substance is; what alone matters is what quality it has, i.e. in what ratio its constituents are combined.

(B) By 'an organ of sense' is meant that in which ultimately such a power is seated.

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Book III

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429<sup>a</sup>10-18

Turning now to the part of the soul with which the soul knows and thinks (whether this is separable from the others in definition only, or spatially as well) we have to inquire (1) what differentiates this part, and (2) how thinking can take place.

If thinking is like perceiving, it must be either a process in which the soul is acted upon by what is capable of being thought, or a process different from but analogous to that. The thinking part of the soul must therefore be, while impassible, capable of receiving the form of an object; that is, must be potentially identical in character with its object without being the object. Mind must be related to what is thinkable, as sense is to what is sensible.

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429<sup>a</sup>29\_b5

Observation of the sense-organs and their employment reveals a distinction between the impassibility of the sensitive and that of the intellective faculty. After strong stimulation of a sense we are less able to exercise it than before, as e.g. in the case of a loud sound we cannot hear easily immediately after, or in the case of a bright colour or a powerful odour we cannot see or smell, but in the case of mind thought about an object that is highly intelligible renders it more and not less

soul in it.

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419<sup>b</sup>5-8

Sound may mean either of two things—(a) actual, and (b) potential, sound. There are certain things which, as we say, ‘have no sound’, e.g. sponges or wool, others which have, e.g. bronze and in general all things which are smooth and solid—the latter are said to have a sound because they can make a sound, i.e. can generate actual sound between themselves and the organ of hearing.

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419<sup>b</sup>13-17

As we have said, not all bodies can by impact on one another produce sound; impact on wool makes no sound, while the impact on bronze or any body which is smooth and hollow does. Bronze gives out a sound when struck because it is smooth; bodies which are hollow owing to reflection repeat the original impact over and over again, the body originally set in movement being unable to escape from the cavity.

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419<sup>b</sup>34-420<sup>a</sup>5, 14-17, 20-22

It is rightly said that an empty space plays the chief part in the production of hearing, for what people mean by ‘the vacuum’ is the air, which is what causes hearing, when that air is set in movement as one continuous mass; but owing to its friability it emits no sound, being dissipated by impinging upon any surface which is not smooth. When the surface on which it impinges is quite smooth, what is produced by the original impact is a united mass, a result due to the smoothness of the surface with which the air is in contact at the other end.

What has the power of producing sound is what has the power of setting in movement a single mass of air which is continuous from the impinging body up to the organ of hearing. The organ of hearing is physically united with air, and because it is in air, the air inside is moved concurrently with the air outside.... It is also a test of deafness whether the ear does or does not reverberate like a horn; the air inside the ear has always a movement of its own, but the sound we hear is always the sounding of something else, not of the organ itself....

Which is it that ‘sounds’, the striking body or the struck? Is not the answer ‘it is both, but each in a different way’? Sound is a movement

good, but of the evil, who are compelled to wander about such places in payment of the penalty of their former evil way of life; and they continue to wander until the desire which haunts them is satisfied and they are imprisoned in another body. And they may be supposed to be fixed in the same natures which they had in their former life.

What natures do you mean, Socrates?

I mean to say that men who have followed after gluttony, and wantonness, and drunkenness, and have had no thought of avoiding them, would pass into asses and animals of that sort. What do you think?

I think that exceedingly probable.

And those who have chosen the portion of injustice, and tyranny, and violence, will pass into wolves, or into hawks and kites; whither else can we suppose them to go?

Yes, said Cebeus; that is doubtless the place of natures such as theirs. And there is no difficulty, he said, in assigning to all of them places answering to their several natures and propensities?

There is not, he said.

Even among them some are happier than others; and the happiest both in themselves and their place of abode are those who have practised the civil and social virtues which are called temperance and justice, and are acquired by habit and attention without philosophy and mind.

Why are they the happiest?

Because they may be expected to pass into some gentle, social nature which is like their own, such as that of bees or ants, or even back again into the form of man, and just and moderate men spring from them.

That is not impossible.

But he who is a philosopher or lover of learning, and is entirely pure at departing, is alone permitted to reach the gods. And this is the reason, Simmias and Cebeus, why the true votaries of philosophy abstain from all fleshly lusts, and endure and refuse to give themselves up to them—not because they fear poverty or the ruin of their families, like the lovers of money, and the world in general; nor like the lovers of power and honor, because they dread the dishonor or disgrace of evil deeds.

No, Socrates, that would not become them, said Cebeus.

No, indeed, he replied; and therefore they who have a care of their souls, and do not merely live in the fashions of the body, say farewell to all this; they will not walk in the ways of the blind: and when philosophy offers them purification and release from evil, they feel that they ought not to resist her influence, and to her they incline, and whither she leads they follow her.

What do you mean, Socrates?

I will tell you, he said. The lovers of knowledge are conscious that their souls, when philosophy receives them, are simply fastened and

glued to their bodies: the soul is only able to view existence through the bars of a prison, and not in her own nature; she is wallowing in the mire of all ignorance; and philosophy, seeing the terrible nature of her confinement, and that the captive through desire is led to conspire in her own captivity (for the lovers of knowledge are aware that this was the original state of the soul, and that when she was in this state philosophy received and gently counseled her, and wanted to release her, pointing out to her that the eye is full of deceit, and also the ear and other senses, and persuading her to retire from them in all but the necessary use of them and to be gathered up and collected into herself, and to trust only to herself and her own intuitions of absolute existence, and mistrust that which comes to her through others and is subject to vicissitude)—philosophy shows her that this is visible and tangible, but that what she sees in her own nature is intellectual and invisible. And the soul of the true philosopher thinks that she ought not to resist this deliverance, and therefore abstains from pleasures and desires and pains and fears, as far as she is able; reflecting that when a man has great joys or sorrows or fears or desires he suffers from them, not the sort of evil which might be anticipated—as, for example, the loss of his health or property, which he has sacrificed to his lusts—but he has suffered an evil greater far, which is the greatest and worst of all evils, and one of which he never thinks.

And what is that, Socrates? said Cebes.

Why, this: When the feeling of pleasure or pain in the soul is most intense, all of us naturally suppose that the object of this intense feeling is then plainest and truest: but this is not the case.

Very true.

And this is the state in which the soul is most enthralled by the body.

How is that?

Why, because each pleasure and pain is a sort of nail which nails and rivets the soul to the body, and engrosses her and makes her believe that to be true which the body affirms to be true; and from agreeing with the body and having the same delights she is obliged to have the same habits and ways, and is not likely ever to be pure at her departure to the world below, but is always saturated with the body; so that she soon sinks into another body and there germinates and grows, and has therefore no part in the communion of the divine and pure and simple.

That is most true, Socrates, answered Cebes.

And this, Cebes, is the reason why the true lovers of knowledge are temperate and brave; and not for the reason which the world gives.

Certainly not.

Certainly not! For not in that way does the soul of a philosopher reason; she will not ask philosophy to release her in order that when released she may deliver herself up again to the thralldom of pleasures and pains, doing a work only to be undone again, weaving instead of

all other sensible qualities are apprehended by touch only indirectly. Sounds, colours, and odours contribute nothing to nutriment; Flavours fall within the field of tangible qualities. Hunger and thirst are forms of desire, hunger a desire for what is dry and hot, thirst a desire for what is cold and moist; Flavour is a sort of seasoning added to both. We must later clear up these points, but at present it may be enough to say that all animals that possess the sense of touch have also appetition. The case of imagination is obscure; we must examine it later. Certain kinds of animals possess in addition the power of locomotion, and still another order of animate beings, i.e. man and possibly another order like man or superior to him, the power of thinking, i.e. mind....

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415b9-27

The soul is the cause or source of the living body. The terms cause and source have many senses. But the soul is the cause of its body alike in all three senses which we explicitly recognize. It is (*a*) the source or origin of movement, it is (*b*) the end, it is (*c*) the essence of the whole living body.

That it is the last, is clear; for in everything the essence is identical with the ground of its being, and here, in the case of living things, their being is to live, and of their being and their living the soul in them is the cause or source. Further, the actuality of whatever is potential is identical with its formulable essence.

It is manifest that the soul is also the final cause of its body. For Nature, like mind, always does whatever it does for the sake of something, which something is its end. To that something corresponds in the case of animals the soul and in this it follows the order of nature; all natural bodies are organs of the soul. This is true of those that enter into the constitution of plants as well as of those which enter into that of animals. This shows that that the sake of which they are is soul. We must here recall the two senses of 'that for the sake of which', viz. (*a*) the end to achieve which, and (*b*) the being in whose interest, anything is or is done.

We must maintain, further, that the soul is also the cause of the living body as the original source of local movement. The power of locomotion is not found, however, in all living things. But change of quality and change of quantity are also due to the soul. Sensation is held to be a qualitative alteration, and nothing except what has soul in it is capable of sensation. The same holds of the quantitative changes which constitute growth and decay; nothing grows or decays naturally except what feeds itself, and nothing feeds itself except what has a share of

what sense? A part merely distinguishable by definition or a part distinct in local situation as well? In the case of certain of these powers, the answers to these questions are easy, in the case of others we are puzzled what to say. Just as in the case of plants which when divided are observed to continue to live though removed to a distance from one another (thus showing that in *their* case the soul of each individual plant before division was actually one, potentially many), so we notice a similar result in other varieties of soul, i.e. in insects which have been cut in two; each of the segments possesses both sensation and local movement; and if sensation, necessarily also imagination and appetition; for, where there is sensation, there is also pleasure and pain, and, where these, necessarily also desire.

We have no evidence as yet about mind or the power to think; it seems to be a widely different kind of soul, differing as what is eternal from what is perishable; it alone is capable of existence in isolation from all other psychic powers. All the other parts of soul, it is evident from what we have said, are, in spite of certain statements to the contrary, incapable of separate existence though, of course, distinguishable by definition. If opining is distinct from perceiving, to be capable of opining and to be capable of perceiving must be distinct, and so with all the other forms of living above enumerated. Further, some animals possess all these parts of soul, some certain of them only, others one only (this is what enables us to classify animals); the cause must be considered later. A similar arrangement is found also within the field of the senses; some classes of animals have all the senses, some only certain of them, others only one, the most indispensable, touch.

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414<sup>a</sup>29-414<sup>b</sup>19

Of the psychic powers above enumerated some kinds of living things, as we have said, possess all, some less than all, others one only. Those we have mentioned are the nutritive, the appetitive, the sensory, the locomotive, and the power of thinking. Plants have none but the first, the nutritive, while another order of living things has this *plus* the sensory. If any order of living things has the sensory, it must also have the appetitive; for appetite is the genus of which desire, passion, and wish are the species; now all animals have one sense at least, viz. touch, and whatever has a sense has the capacity for pleasure and pain and therefore has pleasant and painful objects present to it, and wherever these are present, there is desire, for desire is just appetition of what is pleasant. Further, all animals have the sense for food (for touch is the sense for food); the food of all living things consists of what is dry, moist, hot, cold, and these are the qualities apprehended by touch;

unweaving her Penelope's web. But she will make herself a calm of passion and follow Reason, and dwell in her, beholding the true and divine (which is not matter of opinion), and thence derive nourishment. Thus she seeks to live while she lives, and after death she hopes to go to her own kindred and to be freed from human ills. Never fear, Simmias and Cebes, that a soul which has been thus nurtured and has had these pursuits, will at her departure from the body be scattered and blown away by the winds and be nowhere and nothing.

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Selections from Aristotle's *De Anima* (On the Soul)  
(J. A. Smith, translator)

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Book II

1

Let the foregoing suffice as our account of the views concerning the soul which have been handed on by our predecessors; let us now dismiss them and make as it were a completely fresh start, endeavouring to give a precise answer to the question, What is soul? i.e. to formulate the most general possible definition of it.

We are in the habit of recognizing, as one determinate kind of what is, substance, and that in several senses, (*a*) in the sense of matter or that which in itself is not 'a this', and (*b*) in the sense of form or essence, which is that precisely in virtue of which a thing is called 'a this', and thirdly (*c*) in the sense of that which is compounded of both (*a*) and (*b*). Now matter is potentiality, form actuality; of the latter there are two grades related to one another as e.g. knowledge to the exercise of knowledge.

Among substances are by general consent reckoned bodies and especially natural bodies; for they are the principles of all other bodies. Of natural bodies some have life in them, others not; by life we mean self-nutrition and growth (with its correlative decay). It follows that every natural body which has life in it is a substance in the sense of a composite.

But since it is also a *body* of such and such a kind, viz. having life, the *body* cannot be soul; the body is the subject or matter, not what is attributed to it. Hence the soul must be a substance in the sense of the form of a natural body having life potentially within it. But substance is actuality, and thus soul is the actuality of a body as above characterized. Now the word actuality has two senses corresponding respectively to the possession of knowledge and the actual exercise of knowledge. It is obvious that the soul is actuality in the first sense, viz. that of knowledge as possessed, for both sleeping and waking presuppose the

existence of soul, and of these waking corresponds to actual knowing, sleeping to knowledge possessed but not employed, and, in the history of the individual, knowledge comes before its employment or exercise.

That is why the soul is the first grade of actuality of a natural body having life potentially in it. The body so described is a body which is organized. The parts of plants in spite of their extreme simplicity are ‘organs’; e.g. the leaf serves to shelter the pericarp, the pericarp to shelter the fruit, while the roots of plants are analogous to the mouth of animals, both serving for the absorption of food. If, then, we have to give a general formula applicable to all kinds of soul, we must describe it as the first grade of actuality of a natural organized body. That is why we can wholly dismiss as unnecessary the question whether the soul and the body are one: it is as meaningless as to ask whether the wax and the shape given to it by the stamp are one, or generally the matter of a thing and that of which it is the matter. Unity has many senses (as many as ‘is’ has), but the most proper and fundamental sense of both is the relation of an actuality to that of which it is the actuality.

We have now given an answer to the question, what is soul?—an answer which applies to it in its full extent. It is substance in the sense which corresponds to the definitive formula of a thing’s essence. That means that it is ‘the essential whatness’ of a body of the character just assigned. Suppose that what is literally an ‘organ’, like an axe, were a *natural* body, its ‘essential whatness’, would have been its essence, and so its soul; if this disappeared from it, it would have ceased to be an axe, except in name. As it is, it is just an axe; it wants the character which is required to make its whatness or formulable essence a soul; for that, it would have had to be a *natural* body of a particular kind, viz. one having *in itself* the power of setting itself in movement and arresting itself. Next, apply this doctrine in the case of the ‘parts’ of the living body. Suppose that the eye were an animal—sight would have been its soul, for sight is the substance or essence of the eye which corresponds to the formula, the eye being merely the matter of seeing; when seeing is removed the eye is no longer an eye, except in name—it is no more a real eye than the eye of a statue or of a painted figure. We must now extend our consideration from the ‘parts’ to the whole living body; for what the departmental sense is to the bodily part which is its organ, that the whole faculty of sense is to the whole sensitive body as such.

We must not understand by that which is ‘potentially capable of living’ what has lost the soul it had, but only what still retains it; but seeds and fruits are bodies which possess the qualification. Consequently, while waking is actuality in a sense corresponding to the cutting and the seeing, the soul is actuality in the sense corresponding to the power of sight and the power in the tool; the body corresponds to what exists in potentiality; as the pupil plus the power of sight constitutes the eye,

so the soul *plus* the body constitutes the animal.

From this it indubitably follows that the soul is inseparable from its body, or at any rate that certain parts of it are (if it has parts)—for the actuality of some of them is nothing but the actualities of their bodily parts. Yet some may be separable because they are not the actualities of any body at all. Further, we have no light on the problem whether the soul may not be the actuality of its body in the sense in which the sailor is the actuality of the ship.

This must suffice as our sketch or outline determination of the nature of soul.

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We resume our inquiry from a fresh starting-point by calling attention to the fact that what has soul in it differs from what has not, in that the former displays life. Now this word has more than one sense, and provided any one alone of these is found in a thing we say that thing is living. Living, that is, may mean thinking or perception or local movement and rest, or movement in the sense of nutrition, decay and growth. Hence we think of plants also as living, for they are observed to possess in themselves an originative power through which they increase or decrease in all spatial directions; they grow up *and* down, and everything that grows increases its bulk alike in both directions or indeed in all, and continues to live so long as it can absorb nutriment.

This power of self-nutrition can be isolated from the other powers mentioned, but not they from it—in mortal beings at least. The fact is obvious in plants; for it is the only psychic power they possess.

This is the originative power the possession of which leads us to speak of things as *living* at all, but it is the possession of sensation that leads us for the first time to speak of living things as animals; for even those beings which possess no power of local movement but do possess the power of sensation we call animals and not merely living things.

The primary form of sense is touch, which belongs to all animals, just as the power of self-nutrition can be isolated from touch and sensation generally, so touch can be isolated from all other forms of sense. (By the power of self-nutrition we mean that departmental power of the soul which is common to plants and animals: all animals whatsoever are observed to have the sense of touch.) What the explanation of these two facts is, we must discuss later. At present we must confine ourselves to saying that soul is the source of these phenomena and is characterized by them, viz. by the powers of self-nutrition, sensation, thinking, and motivity.

Is each of these a soul or a part of a soul? And if a part, a part in