

2. Parmenides had a lot to say about planet earth.

- (i) According to Parmenides, what is the shape of planet earth?
- (ii) According to Parmenides, planet earth's three climates are the torrid climate, the temperate climate, and the frigid climate, and those three climates are divided into five climatic zones.
 - (a) According to him, the southernmost zone has which kind of climate?
 - (b) According to Parmenides, the zone between the equatorial zone and the northernmost zone has which kind of climate?
 - (c) According to him, the equatorial zone has which kind of climate?
 - (d) According to Parmenides, the zone between the equatorial zone and the southernmost zone has which kind of climate?
 - (e) According to him, the northernmost zone has which kind of climate?
- (iii) According to Parmenides, which is the hottest climatic zone (and why)?
- (iv) According to Parmenides, which were the two coldest climatic zones (and why)?

3. At the time when his teacher was Xenophanes, Parmenides was a material dualist.

(i) Xenophanes was the first material dualist. According to him, what were the two ἀρχαί?

(ii) According to Parmenides, what were the two ἀρχαί?

(iii) According to Parmenides, what was the difference between the two ἀρχαί?

(iv) Which one of the four classical elements did Xenophanes and Parmenides agree was one of the two ἀρχαί?

(v) Xenophanes and Parmenides disagreed about the other of the two ἀρχαί, because each of them thought that the second ἀρχή was the opposite of what the other one of them thought it was. What were those two opposite materials?

4. On at least one occasion, Xenophanes and Pythagoras met in person.

(i) Explain how Xenophanes and Pythagoras disagreed about how many material elements exist.

(ii) Why did Pythagoras want the man to stop beating the puppy?

(iii) Consider the reason why Pythagoras wanted the man to stop beating the puppy. In your opinion, is that the best reason why someone should not beat a puppy? Why or why not? Explain.

(iv) In your opinion, what is the best reason why someone should not beat a puppy? Explain your answer.

5. Hippasus of Metapontum and Hippias the Atheist had different opinions about the ἀρχή.

(i) Hippasus was a material monist. According to him, what is the ἀρχή?

(ii) In some ways, Hippias was a material dualist. Yet in other ways, Hippias was a material monist.

- According to Hippias as a material dualist, what are the ἀρχαί?

- According to Hippias as a material monist, what is the ἀρχή?