

Earth and Atmosphere (KS3)

Section A – Recall (1–2 marks each)

Q1 (1 mark)

Name the four main layers of the Earth.

Q2 (1 mark)

What type of rock is formed from cooled magma or lava?

Q3 (1 mark)

What type of rock is formed from layers of sediment?

Q4 (1 mark)

What gas makes up most of the Earth's atmosphere?

Q5 (2 marks)

State TWO properties of igneous rocks.

Q6 (2 marks)

State TWO examples of limited resources from the Earth.

Q7 (2 marks)

State TWO gases found in the atmosphere.

Q8 (2 marks)

State TWO human activities that produce carbon dioxide.

Q9 (2 marks)

State TWO ways recycling helps the environment.

Section B – Understanding (3 marks each)

Q10 (3 marks)

Explain the structure of the Earth.

Q11 (3 marks)

Explain how sedimentary rocks are formed.

Q12 (2 marks)

Explain how metamorphic rocks are formed.

Q13 (2 marks)

Explain why recycling is important.

Q14 (3 marks)

Explain how human activity increases carbon dioxide levels in the atmosphere.

Section C – Application (4 marks each)

Q15 (4 marks)

A student at *Learntit* investigates different rock samples. Explain how the student could identify an igneous rock. Give an example of an igneous rock.

Q16 (4 marks)

Explain how the rock cycle changes one type of rock into another.

Q17 (4 marks)

Explain how burning fossil fuels can affect the climate.

Q18 (4 marks)

Explain why Earth's natural resources are described as limited.

Section D – Extended Response (6 marks each)

Q19 (6 marks)

Explain the rock cycle, including the formation of igneous, sedimentary and metamorphic rocks.

Q20 (6 marks)

Explain the composition of the atmosphere and how human activity affects climate.

Total: ____ / 55

Percentage: ____%