

Student worksheet

2.4 Igneous rocks develop from magma and lava

Pages 24–25 and 162

Igneous rocks

- 1

What does the term ‘igneous’ mean?
- 2

What material is used to form an igneous rock?
- 3

What is the difference between lava and magma?
- 4

How does an extrusive igneous rock form? Give an example.
- 5

How does an intrusive igneous rock form? Give an example.
- 6

What is the most common type of rock in the Earth’s crust?
- 7

How are the following two types of this common rock formed and why do they look different to each other?

a

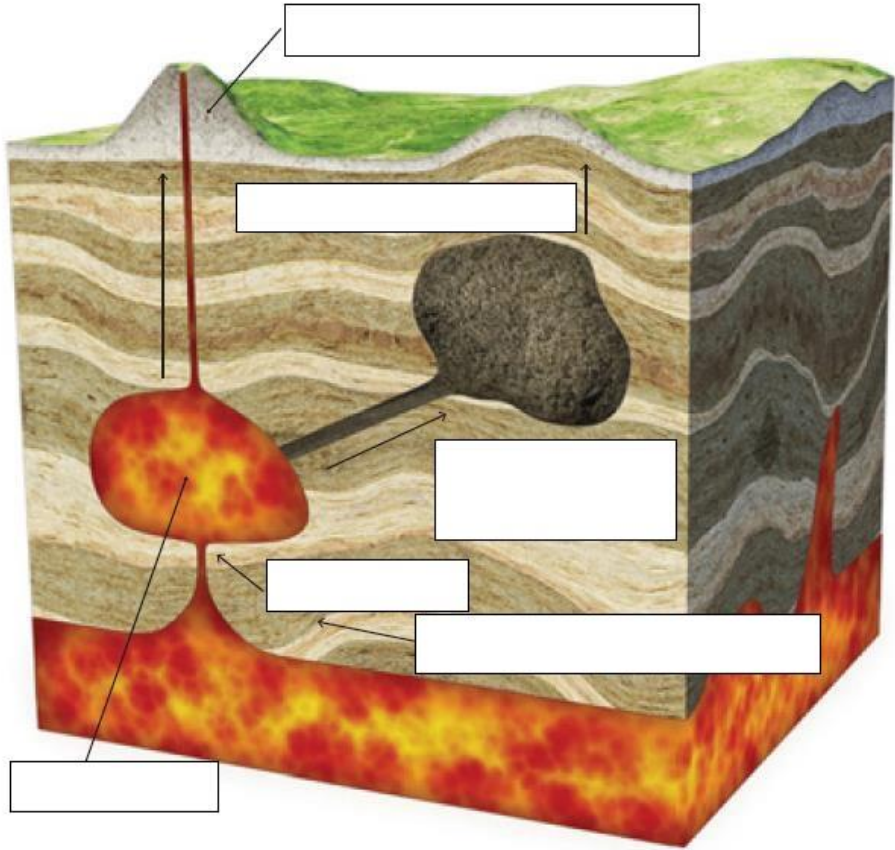
Scoria

b Obsidian

8 Complete the following table to summarise the main differences between the formation of extrusive and intrusive igneous rock.

	EXTRUSIVE IGNEOUS ROCK	INTRUSIVE IGNEOUS ROCK
Formed by lava or magma?		
Formed inside or outside of the volcano?		
Method of cooling (quick or slow)?		
How does it reach the surface of the Earth?		

9 Label the following diagram of a volcano.



Extend your understanding

10 Research igneous rocks, find five examples, and complete the following table.

NAME OF ROCK	COMPOSITION (WHAT IT IS MADE OF)	HOW IT IS FORMED	FUNCTION IN THE REAL WORLD