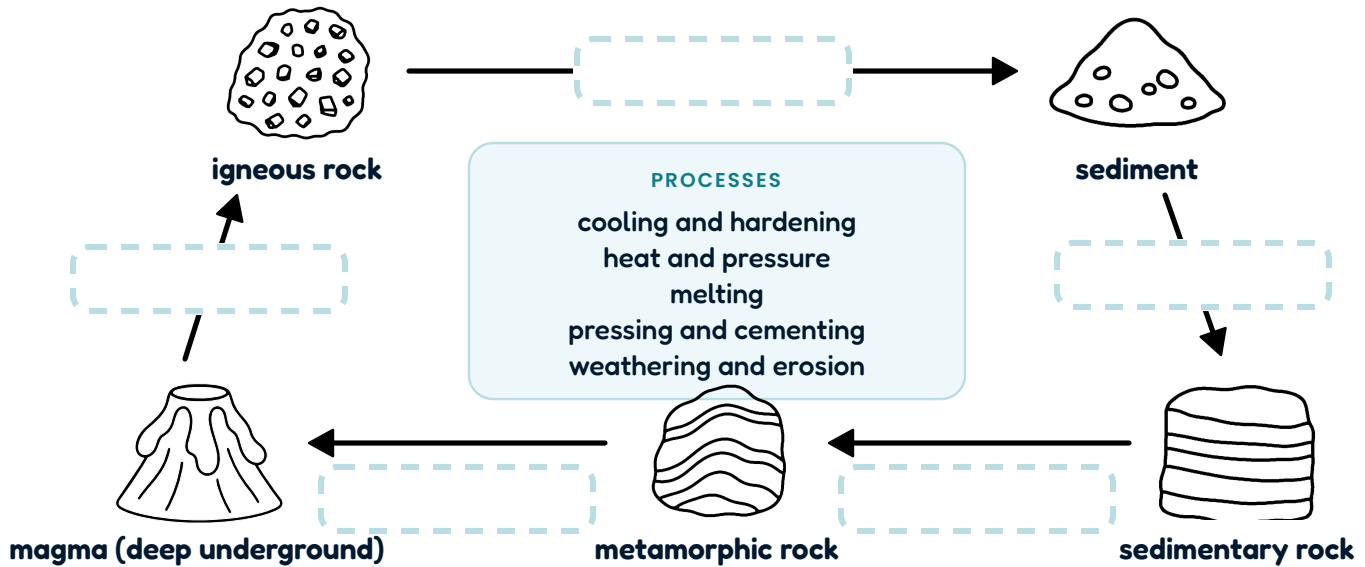


The rock cycle

Label the rock cycle. Then follow one grain of sand around the cycle.

- ① Write a process from the middle box on each arrow of the rock cycle. _____



- ② Follow a grain of sand. Number the events 1 to 5. _____

- ☐ A river carries the sand to the sea, where it settles in layers.
- ☐ Magma deep underground cools slowly and hardens into granite.
- ☐ Deep underground, heat and pressure change the sandstone into quartzite.
- ☐ The granite is lifted to the surface, and rain and ice break off tiny grains of sand.
- ☐ More layers press down, and the sand is cemented into sandstone.

- ③ Explain. _____

1. Can a metamorphic rock ever become a sedimentary rock? Explain how.

2. Why do scientists call it the rock **cycle**?

3. Heat and pressure deep underground change shale into slate. What kind of rock is slate?
