

PROBLEM 1

Harry's teacher has asked him to sort a collection of rocks into igneous, sedimentary and metamorphic. Can you help him?



PROBLEM 2

Find a rock from your samples with rounded grains and one where the grains interlock. Which do you think would be best to use as a roof tile and why? Can you test the rock to see if it would keep water out of your house?



PROBLEM 3

Sophie is doing a school project all about volcanoes. She needs to find a rock from her collection that formed from lava. Can you help her? What type of rock does she need and how can she identify it?



PROBLEM 4

Imagine you're trapped on an island. You've found an old piece of slate rock, but now need a softer rock to write a message on it. What type of rock would you look for? What properties does that type of rock have that allows it to be used to write a message?

