

# Rocks, Fossils and Soils

## Learning Objective:

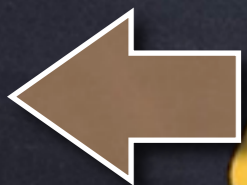
To be able to identify naturally occurring rocks and explore their uses.





What is  
a rock?

Where  
do rocks come  
from?



Most of our planet is made of rock. Rock is made up of a mixture of minerals that are pressed tightly together. A mineral is an inorganic material (meaning it is not alive) that is often made of crystals. Sometimes when you look closely at a rock you can see the separate minerals within the rock.





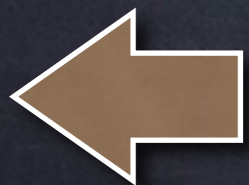
Can you spot  
any rocks in  
this picture?

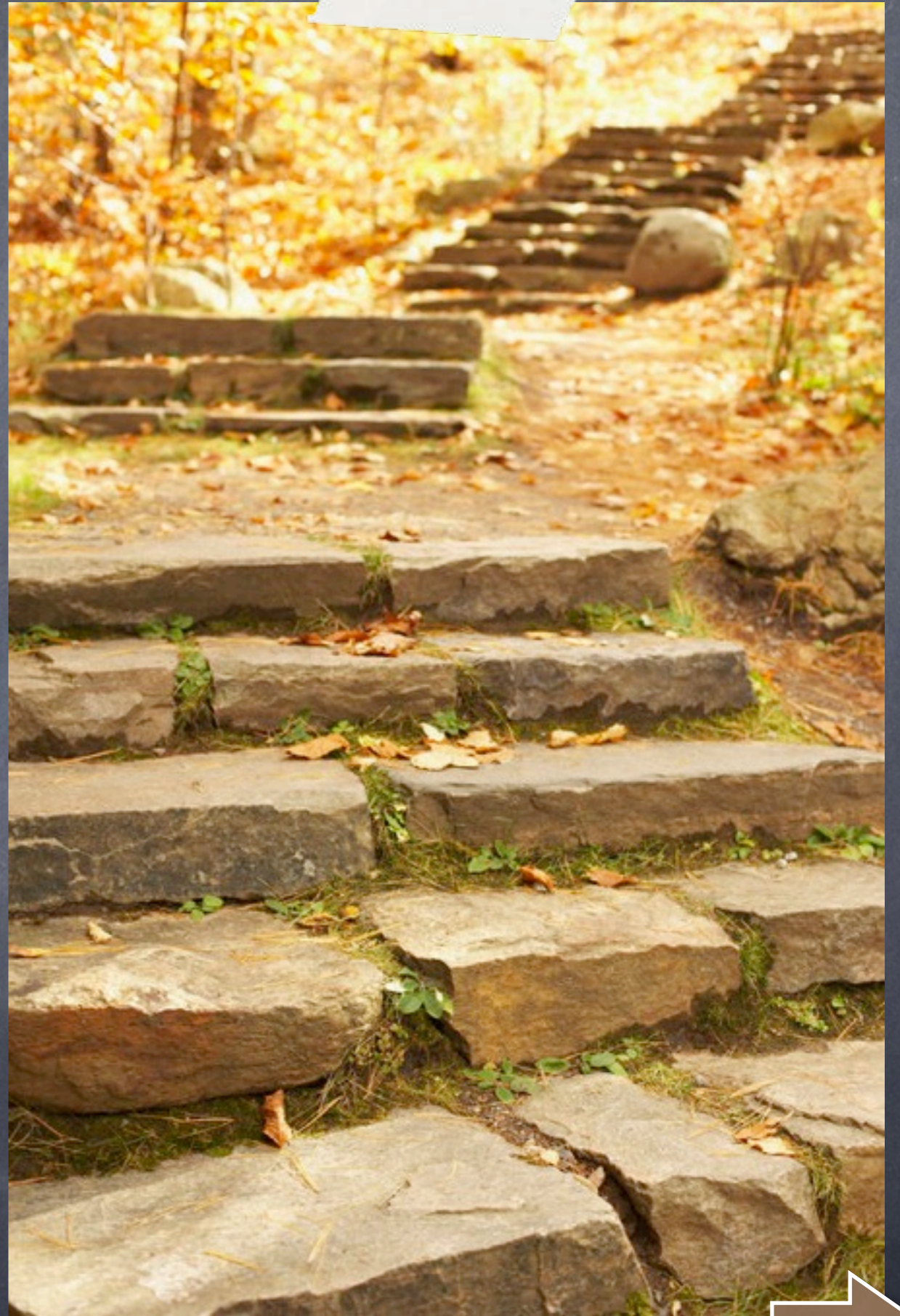
Which of these  
rocks occur  
naturally and  
which do not?

There are lots of different types of rocks which can be used for lots of different purposes. Lots of naturally occurring rocks can be used as they are, once they have been shaped. Other materials that look like rocks (such as bricks or concrete slabs) are actually man-made.

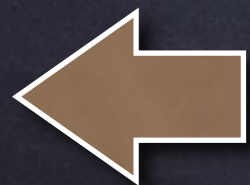


Have a look at the pictures on the next slides. Are the rocks naturally occurring or not?

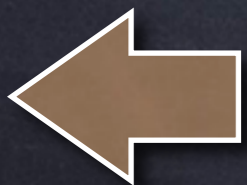
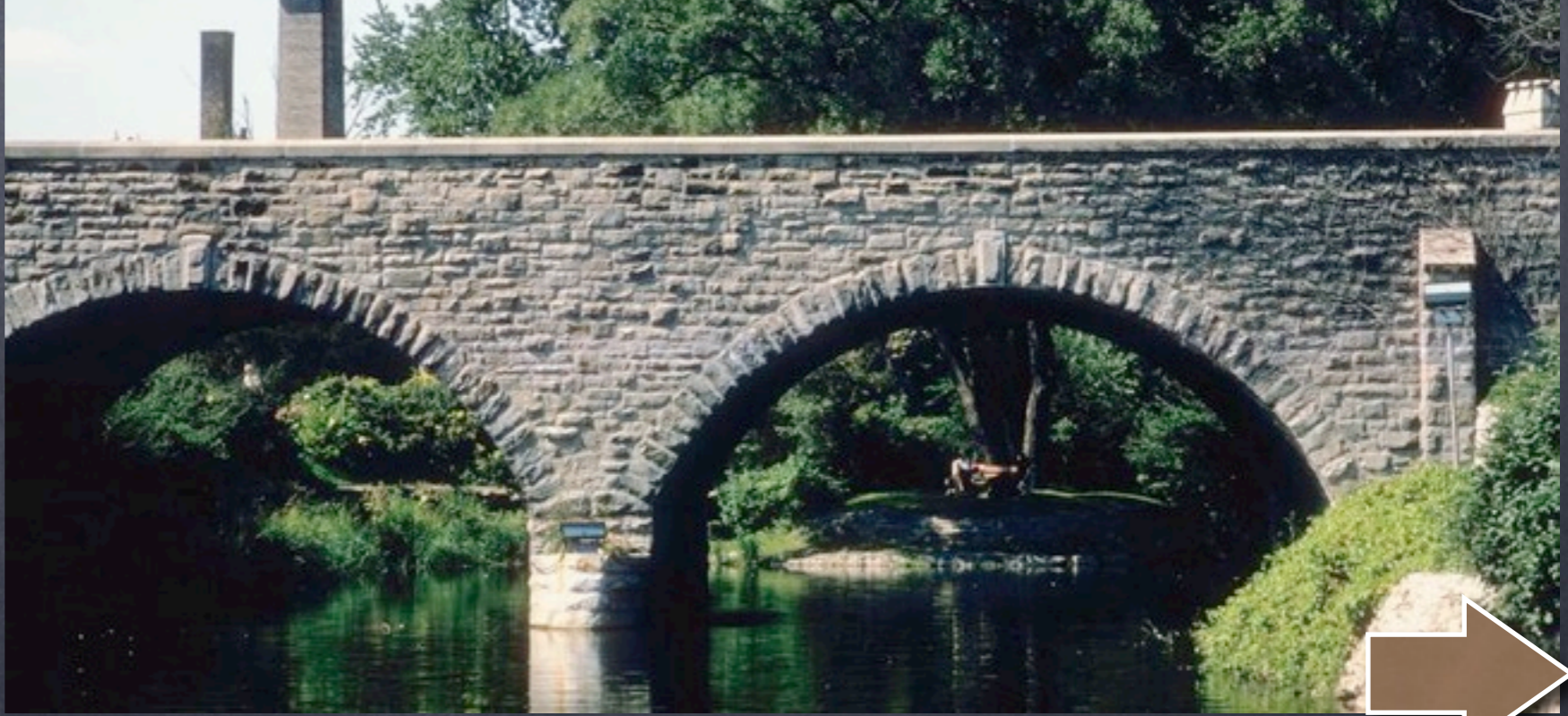






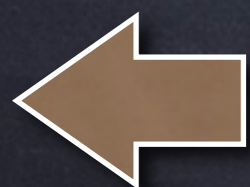


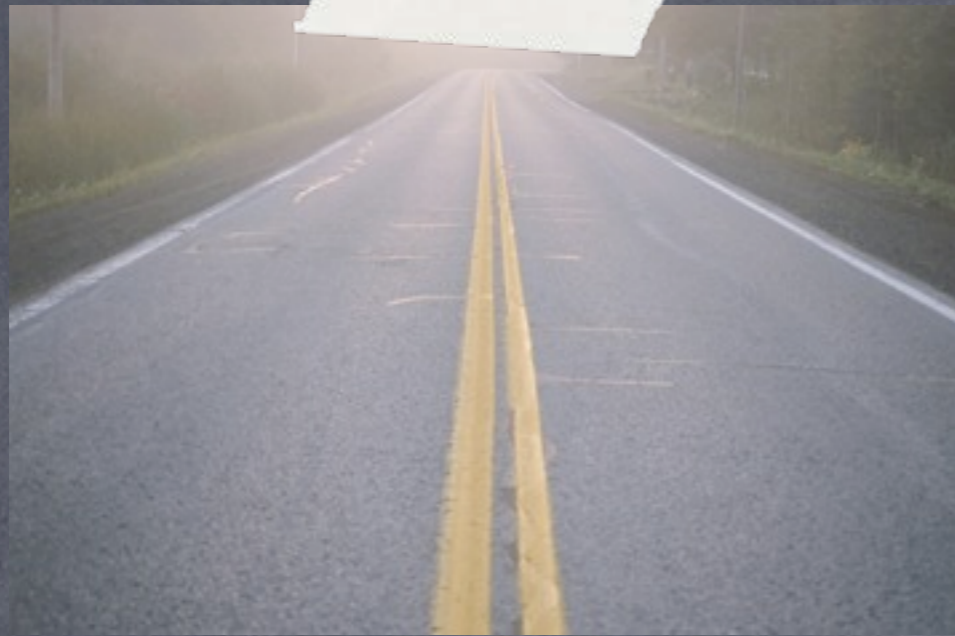






All the rocks and stones used in these pictures use rock that occur naturally but that have been shaped for other purposes.



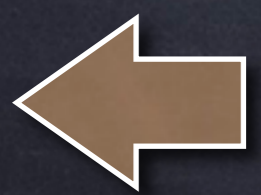


Although these materials might look like natural rocks, they are not. Concrete, bricks, tarmac and modern roof tiles are all man-made materials.





MARBLE is used by artists for creating sculptures. It is also used in construction because it is hard-wearing.



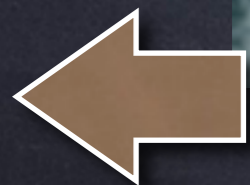
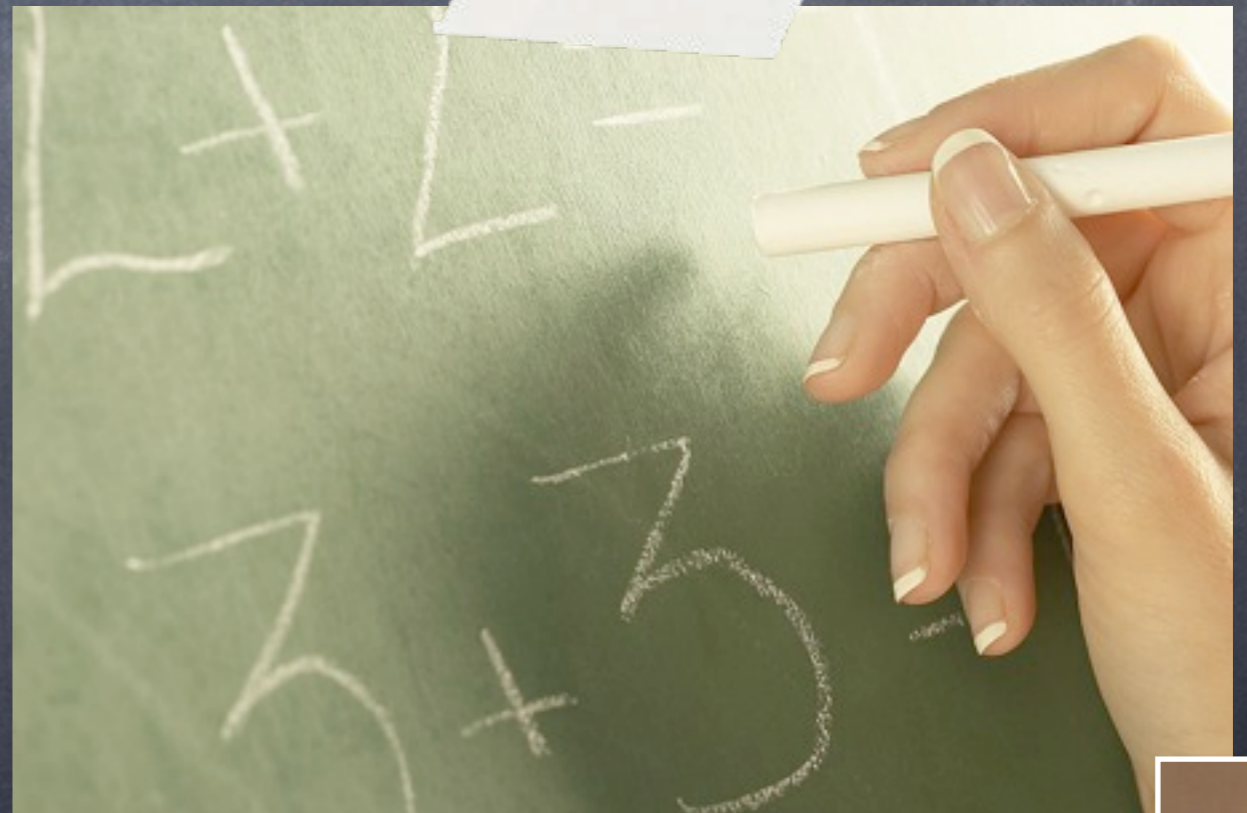


SLATE is often used for roofs because it is easy to split into thin sheets. In the past it was used for blackboards and writing slates.



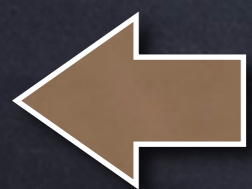


CHALK is used for writing on blackboards as well as other things. Tailors use chalk when they are marking material for clothes. Gymnasts sometimes use chalk on their hands to stop them from being sweaty.



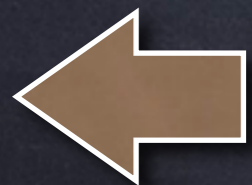


LIMESTONE is used a lot in architecture to make buildings. The Great Pyramid of Giza in Egypt is made of limestone. It is also ground up as the basis for making roads.





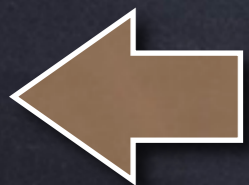
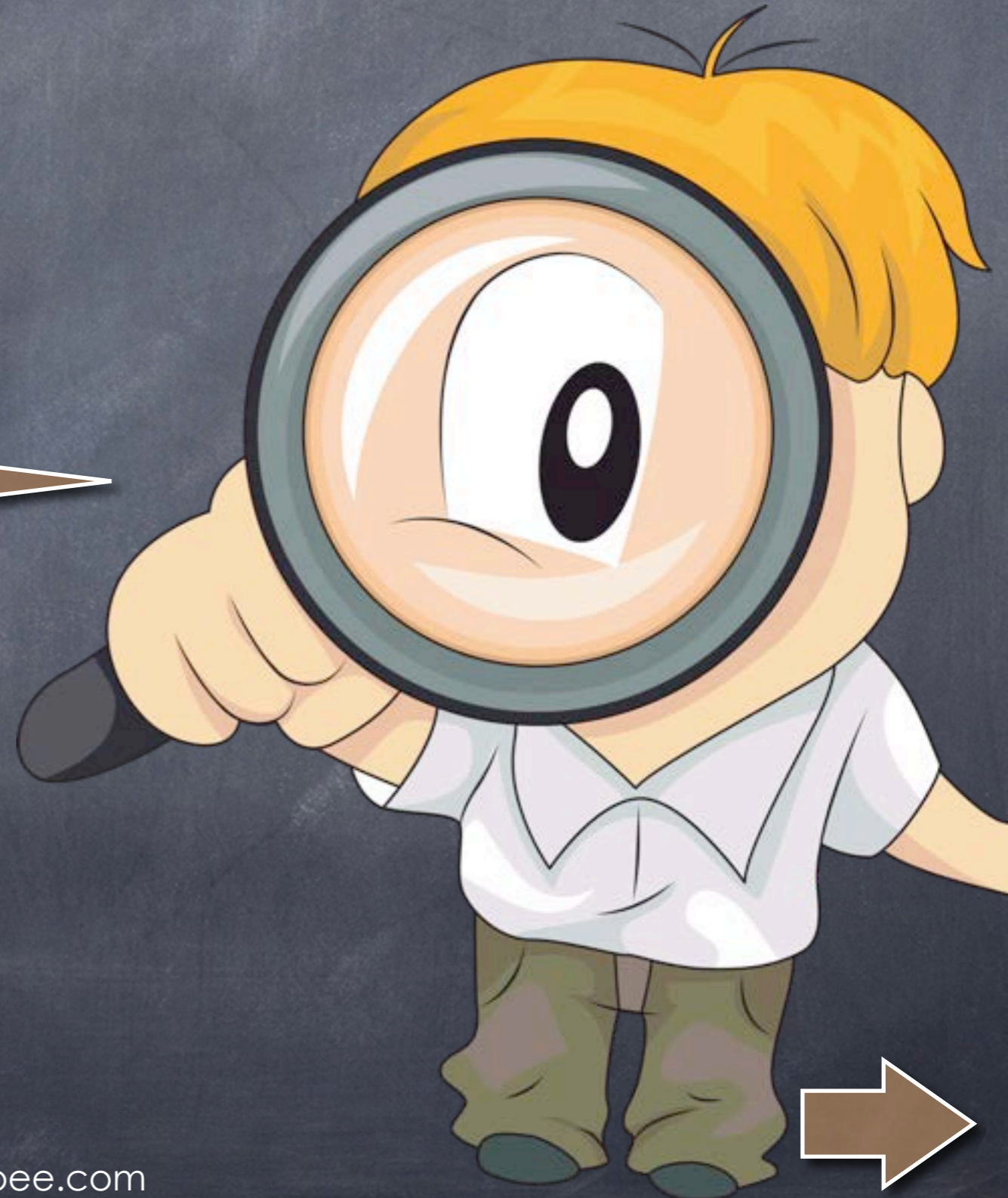
Good  
work everyone!  
Are you ready to do  
some work on  
your own?





## Plenary:

Have a look at the pictures on the next slides. Do you think the structure is natural or man-made? Where do you think the rocks came from and how did they get there?







[Redacted]

