Rock Detectives

Look closely. Feel carefully. Sort smartly.

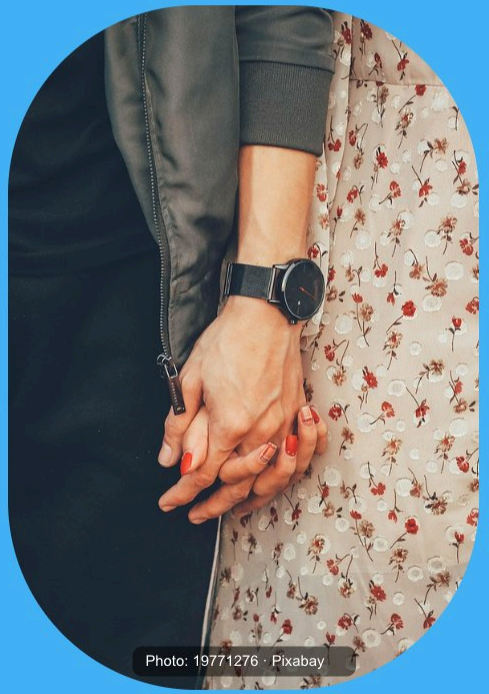




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Think, pair, share

Are all rocks the same? How can you tell?



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DID YOU KNOW?

There are 3 main rock groups.

Scientists call them igneous, sedimentary and metamorphic rocks.

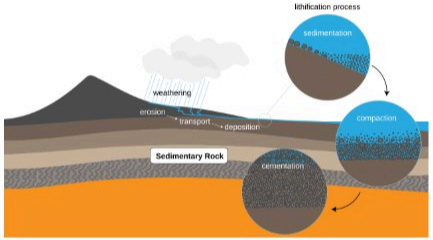


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Key words

appearance

what something looks like

texture

how rough or smooth it feels

property

something you can see or feel

group

put matching things together

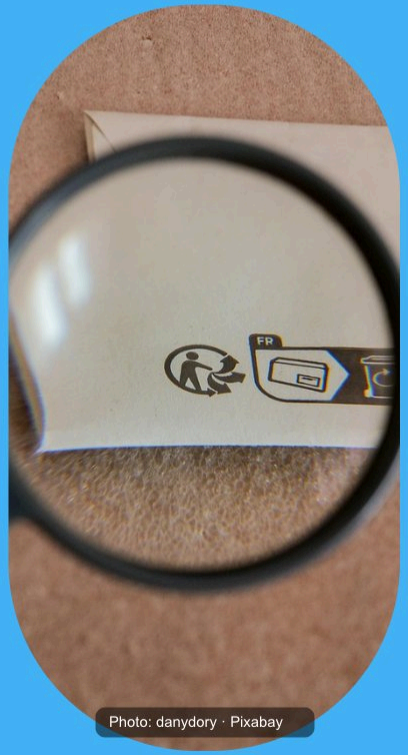


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What could this be?

Full of tiny holes, light in my hand. What am I?



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Be a Rock Detective



▶ 0:00 – 4:23

- Watch how colour and texture are checked
- Listen for rough, smooth, shiny words

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What can we check?

🎨

Colour

Is it grey, brown, white or spotty?

✋

Feel

Is it rough, smooth or bumpy?

🔷

Shape

Is it round, flat or sharp?

⚖️

Weight

Does it feel heavy or light?

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Different rocks up close



▶ 0:00 – 3:52

- Spot how the looks are different
- Think which group you would put them in

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Your task

Sort your tray of rocks into 2–3 groups. Be ready to explain.

1. Look at each rock with a magnifier.
2. Check colour, feel, shape and weight.
3. Put matching rocks together and name groups.

20 min

In pairs





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Group like a scientist

1. 1 Look closely at colour and shape.
2. 2 Feel the texture and weight.
3. 3 Find rocks that match.
4. 4 Give each group a clear name.

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What is best to sort by?

If you could only pick one, which would you use?

A Colour	B How it feels	C How heavy it is

Vote with your hands, then explain why.

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Exit ticket

1. One thing I learnt today...

2. My rocks were grouped by...

3. One question I still have...

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