![C:\Users\Charlotte\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\620OEMLL\MC900232282[1].wmf]()Crayon rock cycle

You are going to use crayons to help model the **stages of the rock cycle.**

You have several coloured crayons. Using a knife or sharpener make little shavings of each of these crayons (about the size of a giant chocolate button should be enough). Keep the colours separate.

**Q:** Your crayons represent rocks.

**Which process does making these shavings represent?** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**What is the correct word for the small pieces of rock**? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Now transfer one colour of shavings to a square of tin foil. Next, place the other colour of shavings on top.

**Q:** This stage represents two processes. Moving the crayon shavings is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
and putting the shavings down in layers is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Fold the foil over the top of the shavings like a parcel, press down on the parcel with your fist. Open up the parcel and look what you have made.

**Q:** Describe how your crayon shavings look different and explain what type of rock you have created. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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Fold your parcel into a little cup; make sure you have **no holes in the foil**. Using **tongs**, hold your parcel **over** the candle flame until it melts. Then put it on your heat proof mat to cool, do not touch it!

**Q:** What rock type have you now made? ­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Q:** Why can this rock type have different sized crystals? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Q:** How could this rock be turned into a metamorphic one? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Shared by Kerri Sinclair, Avondale College