

Metamorphic Rocks

Play-Dough Rocks:

- Place the balls of different colored play-dough in between two sheets of wax paper.
- Each ball represents a different kind of rock (e.g. sedimentary, igneous, metamorphic)
- How many different kinds of rocks are present in your sample?

- Make a sketch of what these "rocks" look like in the "Before Pressure" box below.
- Place one book on top of the wax paper and press down for 10 seconds. Record observations below.
- Repeat with two books and then three. Record observations for each amount of pressure.
- Make a sketch of these rocks now that they have changed in the "After Pressure" box.

Before Pressure

After Pressure

1-Book Observations: Pressure	2-Books Observations: More Pressure	3-Books Observations: Extreme Pressure

- How did these rocks change?
- Using your own words, describe the process that creates a metamorphic rock.

- What caused this change?