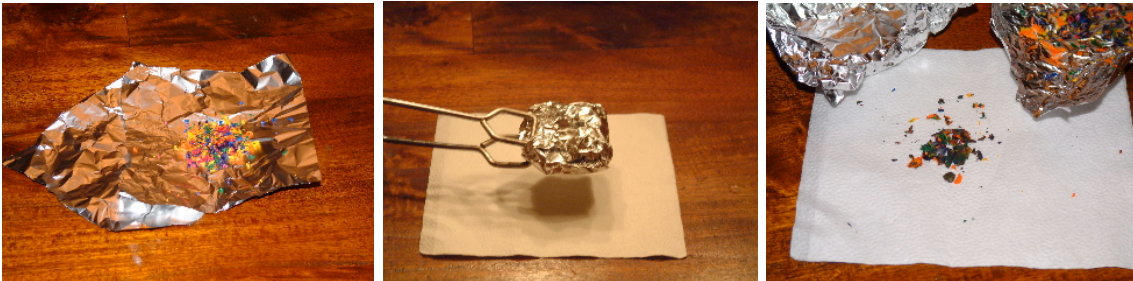


## The Big Squeeze

K-5

Wendy Shindle



### Key Point:

- ✓ Rocks can form from smaller bits of other rocks through a combination of heat and/or pressure.

### Materials:

- Aluminum foil
- Different colored crayons
- Crayon sharpener or plastic knife
- Candle
- Tongs or clothespin

### Procedure:

1. Cut out two squares of aluminum foil for each student or group.
2. Place crayon shavings from different colored crayons inside of one of the aluminum foil squares.
3. Fold the square over so that no "sediment" shavings can fall out. Fold the other square of aluminum foil around the first.
4. Squeeze the foil packet between your hands. Open it up and look at the shavings.
5. Rewrap the packet and gently step on it. Unwrap and observe.
6. Rewrap the packet, or make a new packet.
7. Hold the foil packet over a lit candle with tongs or a clothes pin and rotating it slowly.
8. Wait for the packet to cool. Open and observe the results.

**Questions:**

1. What happened to the shaving when they were squeezed? Could you still see the individual crayon shavings? What kind of rock formed when pressure was applied?
2. What kind of rock was formed when you applied heat?
3. Did heat or pressure make the rock "stick together" better?
4. Where can you find real rocks being formed by heat and pressure?