

Name _____

Rock Factory: Process to Product Match-Up

Instructions: Imagine Earth as a giant factory that produces different kinds of rocks. Each machine (process) creates a specific product (type of rock). Connect each **process** to the **rock type** it most commonly produces. Write the letter of the product next to the process number.

Processes (The Factory Machines)

1. Cooling and solidification of molten magma underground
2. Cooling and solidification of lava on Earth's surface
3. Compaction and cementation of sand grains
4. Compaction and cementation of shell fragments
5. Heat and pressure changing limestone deep underground
6. Heat and pressure altering shale into a harder rock
7. Deposition and cementation of rounded pebbles and stones
8. Volcanic ash layers compacting after an eruption

Products (The Finished Rocks)

- A. Conglomerate
- B. Sandstone
- C. Basalt
- D. Marble
- E. Coquina
- F. Granite
- G. Slate
- H. Tuff

