

# Ground Up Data Sheet

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Follow the directions and record your observations and conclusions.

Directions	Observations and Conclusions
<ol style="list-style-type: none"> <li>1. Fill one or more container(s) one-half to three-quarters full of individual types of rock and soil.</li> <li>2. Insert a straw so it nearly touches the bottom of the container and blow. Take note of how easy or hard it is to blow air in the straw and how gas might travel through the soil.</li> <li>3. Record your observations.</li> <li>4. Form a conclusion about how radon, a radioactive gas, might move up through the</li> <li>5. different types of rock and soil.</li> </ol>	
<ol style="list-style-type: none"> <li>1. Fill a beaker with water.</li> <li>2. Fill a dropper with water from the beaker.</li> <li>3. Place several drops of water on the individual types of rock and soil. Observe whether the rock and soil absorb the water. Permeable rocks and soil allow liquids and gases to pass through them.</li> <li>4. Record your observations.</li> <li>5. Form a conclusion about which types of rock and soil might slow or block radon's movement.</li> </ol>	
<ol style="list-style-type: none"> <li>1. Fill a beaker with water.</li> <li>2. Pour the water over the different types of rock and soil in the container.</li> <li>3. Insert a straw so it nearly touches the bottom of the container and blow. Take note of how easy or hard it was to blow air in the straw and how the gas might travel through the soil.</li> <li>4. Record your observations.</li> <li>5. Form a conclusion about how ground water might impact radon's movement up through the ground.</li> </ol>	