**SEDIMENTARY ROCKS**

**IDENTIFICATION KEY**

**To begin identifying your sedimentary rock, first begin with a simple HCl acid test.**

**Drop some dilute HCl onto the surface of your rock. Check to see if it bubbles, if not, try scratching up the surface and see if the powder bubbles**

**Bubbles on the rock or powder with HCl Go to 1**

**No bubbles Go to 2**

**1 Rock bubbled in with HCl**

**-rock may have visible fossils**

**-made of Calcium Carbonate Limestone**

**Rock powder bubbled with HCl Dolomite**

**2 Particle Size**

**Large, chunky visible particles Go to 3**

**Particles very small or not visible Go to 4**

**3 Particles made up of angular or jagged rock fragments Breccia**

**Particles made up of rounded rock fragments Conglomerate**

**4 Particles small, all same size, very gritty Sandstone**

**Very little gritty feel Siltstone**

**No gritty feel, particles not visible Go to 5**

**5 No layers visible Mudstone**

**Visible layers, breaks easily Shale**

**Very hard, breaks with sharp edges Chert**

**Black, may have visible plant debris, lighter than**

**regular rock Coal**