

## **OROGENY**

### **CAPSTONE Fact Sheet**

1. Mountains are land formations formed in one of 5 ways: fold, fault-block, dome, plateau, and volcano
2. Fold mountains are formed by when massive pieces of the Earth collide into each other and one piece is forced up over the other piece. This process is called plate tectonics.
3. Fault-Block mountains are made by cracks developing in the Earth's crust which force pieces of the crust to move up or down.
4. Dome mountains are made when large amounts of liquid rock called magma push up into the Earth's crust but do not break through.
5. Plateau mountains are created by wind and water eroding or wearing away the soil and dirt around the formations leaving the mountains standing alone.
6. Volcanoes are formed when magma erupts through the Earth's surface and builds up creating a cone-shaped landform.
7. Pinnacle Mountain was created when a large plate of the Earth slid underneath another plate and forced the land upward and making the Ouachita Mountain Range.
8. Today, Pinnacle Mountain is a local source of sandstone and shale and the Pinnacle Mountain State Park is a conservation area helping to preserve the nature of the Ouachita Mountain Range.