

**Jefferson County Educational Service Center
Virtual Learning Academy
SCIENCE 180**

Section Review Answers

1. All landforms are created by two processes. These processes are **destructive** and **constructive** land formation. Constructive landforms are produced when materials build up or deposited to form new structures. Destructive landforms happen when previous landforms are worn down or broken up by weathering.
2. Scientists group formations into **four major categories**: weathering, erosional, depositional, and **structural landforms**. The landforms are categorized by the events which caused their formation.
3. A tree growing near a rock wall can cause weathering of the wall by a process called **root intrusion**. The roots of the tree grow out from the tree and into the wall causing cracks and eventually moving parts of the wall away from the main wall.
4. Mechanical weathering is also known as **physical weathering**.
5. **Chemical weathering** occurs when natural and man-made chemicals react with rock to break it down\
6. One way that rock can be re-deposited to make a new landform is by water. Water can carry rock and then re-deposit it in a new place, like a beach. The other way that rock can be moved to a place to form a new landform is by **glacier** movement.

7. Volcanic activity and movement of the **crustal plates (plate tectonics)** can form new mountain ranges.