

Name: _____

Metamorphic Rock Videos and Quiz

Metamorphic Rock: <https://www.youtube.com/watch?v=ANfIWY8VYnM>

Slate (metamorphic) vs. sandstone (sedimentary):

<https://www.youtube.com/watch?v=1fnBCPdc39U>

After watching the videos, fill in the blanks with the words below:

***easier larger sedimentary smaller heat stronger
metamorphic squashed weaker pressure tightly***

1. When an existing rock undergoes very great _____ and _____, it can change into a new type of rock. Rocks formed in this way are called _____ rocks.
2. In the video, Howie finds it _____ to carve his initials into the slate rock than into the sandstone. This is because the rock particles in slate are _____ and more _____ packed together.
3. The particles in sandstone are _____ and more loosely packed with air between them. This makes the sandstone _____ so that it crumbles easily.
4. Sandstone is a _____ rock that forms from layers of sediment. Slate is a metamorphic rock that forms under much greater pressure deep inside the earth. The pressure _____ the slate particles and makes them smaller and more tightly packed than the sandstone particles.
5. Rocks (like slate) with more tightly packed particles are _____ and harder than rocks (like sandstone) with large, loosely packed particles.

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