**ES202 Rock Cycle Video Exercise**

Watch the YouTube Videos Posted below and answer the following review questions. Use you favorite internet search resources to augment your answers as needed; include sketches where required.

**Part 1. Overview of the Rock Cycle (YouTube ~4 minutes)**

<https://www.youtube.com/watch?v=EGK1KkLjdQY>

1. True or False: planet Earth’s geosphere is made of minerals and rocks.
2. List the three main types of rocks found near the Earth’ surface. Briefly describe the process by which each main type forms.
3. Define and describe the differences between intrusive and extrusive igneous rocks. Draw sketches or image capture to illustrate your answer.
4. Provide examples of intrusive and extrusive igneous rocks.
5. Describe the process for creation of sedimentary rocks. Draw a sketch or image capture to illustrate your answer. Provide three examples.
6. Describe the process for creation of metamorphic rocks. Draw a sketch or image capture to illustrate your answer. Provide three examples of parent rocks and the metamorphic rock products that are formed.
7. Draw a sketch or image capture to illustrate the rock cycle. Label your drawing and provide a 4-5 sentence summary of the rock cycle process.
8. True or False: melting of rocks and magma formation is the ultimate end point and recycled starting point of the rock cycle.

**Part 2. Rocks and Minerals (YouTube ~4 minutes)**

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

1. What are the three primary states / types of matter that the Earth is composed of?
2. True or False: the ocean floor is comprised of rock material.
3. Define and describe the difference between rocks and minerals.
4. What is the common rock that makes up the basis of the continental landmass.
5. True or False: geothermal temperatures inside the Earth are capable of creating magma.
6. Describe the difference between the general rock composition of oceanic crust vs. continental crust.