

Weathering, Erosion, and Soil

Name: _____ Date: _____ Core: _____

Directions: For each of the following sections, play the video on BrainPop.com to answer the questions. To log in, use the username: wmswolves and password: 3409.

Weathering:

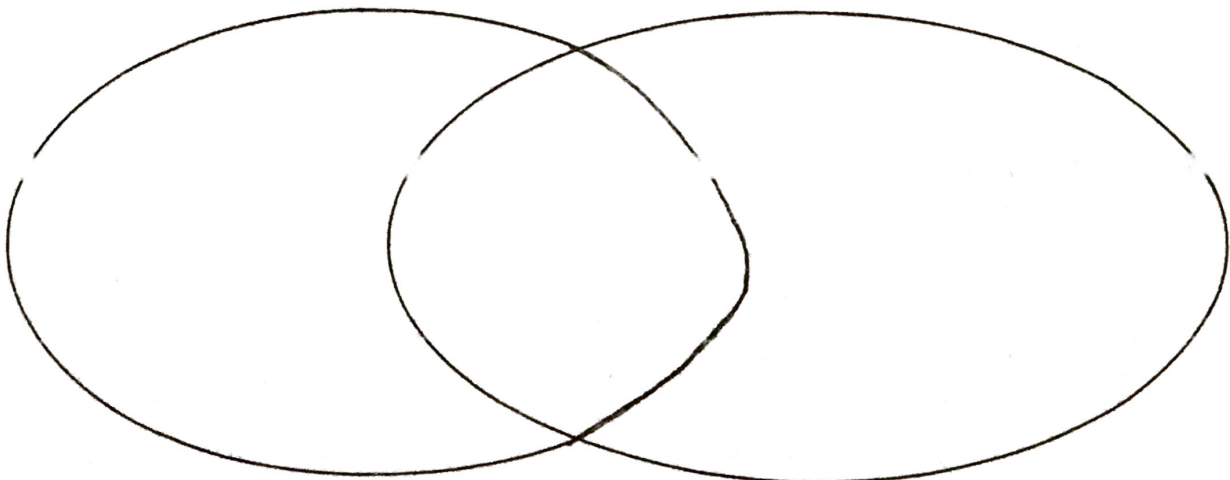
1. What is weathering? _____

2. What are the different types of weathering? Define each: _____

3. Give an example of mechanical weathering: _____
4. Give an example of chemical weathering: _____
5. Using the four frames below, draw a cartoon comic strip to describe how either mechanical or chemical weathering can break down rocks and soil:

Erosion:

1. Using the Venn diagram below, compare and contrast weathering and erosion. Be sure to include the definition of each, as well as examples of each. *You should have at least five bullets in each section of the diagram (15 total!).*



Soil:

1. What are the four components of soil? _____
2. What is humus? _____
3. Why is humus so important? _____
4. Draw it! Draw characteristics of the layers below and label each soil horizon. In your description, be sure to include other vocabulary words like humus and leaching.

	_____ _____ _____ _____
	_____ _____ _____ _____
	_____ _____ _____ _____
	_____ _____ _____ _____

CHALLENGE! Now that we know about the rock cycle, weathering, erosion, and the formation of soil, we can tie them all together. In the space below, draw a NEW rock cycle with the addition of soil formation. Think: Where does weathering and erosion already fit in the cycle and HOW can you add the formation of soil to that section?