Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period:\_

Constructive and Destructive Forces Project

**Purpose**: demonstrate your knowledge of Earth’s changing surface and the forces that change Earth through a creative project

**Directions:** This assignment has two parts. The first part is worth 60 points and the second part is worth 40 points. Part one has a required research writing activity. You will have two options for part two. Select something that you will enjoy completing. *Keep in mind that most landforms are created by a combination of forces but for this project only, classify a landform as constructive or destructive and give evidence as to why you believe this. Constructive landforms are formed mostly by constructive forces (mountain, delta, beach, etc.). Destructive landforms are formed mostly by destructive forces (valley, canyon, etc).*

**Part 1: 60 points**

\_\_\_\_\_ Create a Venn diagram which compares and contrasts destructive and constructive forces. Each section should include at least 5 characteristics (5 for constructive, 5 for destructive and 5 for the middle/both section). Make sure you tell the definition of each one (this can count as 1 or 2 differences depending on how much information is in your definition); you can also give a few examples in each area. Remember, there are several forces that can be both….do your research to find out ☺

**\*\***For the landform you are researching, you must describe in FULL detail: (You are required to write a well written, proofread paragraph that is NOT copied off the internet and includes details and explanations…..NO LESS THAN 12 SENTENCES). I will be collecting all your notes you took before you typed out your final copy.

\_\_\_\_\_Tell what your landform is and a write a complete description of what it looks like

\_\_\_\_\_Explain in detail how it was formed

\_\_\_\_\_Give an estimate of approximately how long it took to form

\_\_\_\_\_Prove/justify why you feel it is constructive OR destructive with specific details from your research. You may quote the author if his/her words are difficult to explain in your own words

\_\_\_\_\_Lastly, name at least 3 places you can find your landform and tell what its historical name is (for example if your landform is a volcano, then tell your audience that an example of a volcano is Mount St. Helens, located in the state of Washington). Feel free to give any other facts you’d like about these landforms too (Mount St. Helens’ last major volcanic eruption occurred on May 18, 1980); if possible, include a picture for the audience, too!

\_\_\_\_You must tell where you found your resources. Please DO NOT USE WIKIPEDIA; THEIR INFORMATION IS NOT ALWAYS ACCURATE.

**Part 2: 40 points**

\_\_\_\_\_ Landform Poster: draw a diagram of your landform and label all the major parts you feel are important for your audience to know (for example, a volcano should show magma, lava flow, vent, ash, etc…). You may also print pictures of these and glue them on, however, you will have to do that part at home. Be sure to label what part you think is the constructive OR destructive part of your landform.

\_\_\_\_\_ Landform 3-D model: (similar to above instructions; must have labels). Must keep size to a minimum (will be on one desktop) and cannot be anything dangerous if you are going to demonstrate it to the class. You will be able to model it if it is safe and stays with in a 3-5 minute time limit.