Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Unit 5 Review Guide**

1. Traditional Energy Sources: Fill in the blank

Extension: Compare & Contrast Mining

Positive Impact:

Negative Impact:

1.Coal is made from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

2.This formed \_\_\_\_\_\_\_\_\_\_\_.

3.Natural gas & oil formed from \_\_\_\_\_\_\_\_\_\_.

4.Both of these processes use \_\_\_\_\_\_\_\_\_ & \_\_\_\_\_\_\_\_

after sediments deposited on top.

5.Fossils \_\_\_\_\_\_\_\_\_\_\_ energy for us today!

2. Traditional vs. Alternative Energy Sources: Matching

Application: Which alternative energy source do you believe is the best choice for NC? Justify your answers.

What are some reasons people could argue against it?

\_\_\_\_\_\_Solar

**a.** One potential disadvantage is the facilities are expensive to build

**b.** If there’s no sun outside, I cannot produce energy!

**c**. I form from the fossilize remains of dead organisms.

**d.** If my facilities break down, I become dangerous.

**e.** I am difficult to extract from the earth.

**f.** I am a type of energy that comes from Earth’s hot water and steam.

**g.** If the speed of the wind changes or varies, my energy production is impacted.

\_\_\_\_\_\_Wind

\_\_\_\_\_\_Natural Gas

\_\_\_\_\_\_Nuclear

\_\_\_\_\_\_Geothermal

\_\_\_\_\_\_Wave Power

\_\_\_\_\_\_Coal

\_\_\_\_\_\_Petroleum/Oil

3. Human Impact on the Environment

|  |  |  |  |
| --- | --- | --- | --- |
| Human Impact | Deforestation | Urbanization | Agriculture |
| Why do we do it? |  |  |  |
| Impact on Environment |  |  |  |
| Solutions |  |  |  |

4. What is the definition of the term “Carbon Footprint?” How does this apply to Unit 5: Energy?