Socials 10/Ms. Rusk /26 Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**OZONE LAYER DEPLETION and WATER as a RESOURCE: Video Worksheets**

**Climate 101: Ozone Depletion National Geographic** <https://www.youtube.com/watch?v=aU6pxSNDPhs>

1. What layer of the atmosphere is the ozone layer located in? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What percent of the Ultraviolet light does the ozone layer absorb?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Where are the thinnest layers of the ozone layer located?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Which of Earth’s hemispheres released most of the current CFCs in the atmosphere?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**The Effects of Ozone Layer Depletion** <https://www.youtube.com/watch?v=fPdv2mY_gX0>

1. The prolonged exposure of ultraviolet radiation can lead to higher risks of: Skin cancer, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and cataracts.
2. Ultraviolet radiation weakens the immune system and the ability of the body to reduce infectious \_\_\_\_\_\_\_\_\_\_\_
3. Ultraviolet radiation reduces nutrients contents and crop yields of plants such as soy beans and \_\_\_\_\_\_\_\_\_\_\_\_\_
4. Leaf cells and chlorophyll are easily damaged by the ultraviolet rays. This lowers the rate of photosynthesis and reduces \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Ultraviolet rays kill micro organisms and phytoplankton that are at the bottom of the marine food chain, the base on which most of the world’s population depends for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. Ozone depletion leads to an increase in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ on earth.
7. High levels of ultraviolet radiation can damage the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of certain amphibians.

**Water our most precious resource**. <https://www.youtube.com/watch?v=VIaw5mCjHPI>

1. What percentage of the Earth’s water is Fresh Water? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. 2/3 of the Fresh Water resources is locked in polar ice caps and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. According to the WHO, only 0.007% of the World’s Fresh water is safe for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ consumption.
4. How many people live in areas of water sacristy? \_\_\_\_\_\_\_\_\_\_\_\_\_\_ billion.
5. A growing middle class has caused a change in water consumption. What food product caused an increase in water use? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. What percentage of water consumption does Agriculture account for? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. Farmers can use micro drip irrigation to reduce their water by 70 to \_\_\_\_\_\_\_\_\_%.
8. Industrial Activities account for \_\_\_\_\_\_\_\_\_\_\_% of global water consumption.
9. In Developed Countries up to 80% of water is lost due to aging \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the form of leaks.
10. Taking the salt out of water is called de-\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**10 Tips for Saving Water in the Home**: <https://www.youtube.com/watch?v=hLcKn1M5fRQ>

1. List just ‘5’ ways you can save water in your home:

i.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ iv.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ii.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ v. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

iii.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Aquifers Explanation Animation**: <https://www.youtube.com/watch?v=MeeYy-dVzJU> Watch and Enjoy