**Water: Climate Impacts on Water**

Skim through: <http://www.epa.gov/climatechange/impacts-adaptation/water.html>

Type your answers directly on this sheet.

Print this sheet when complete and fasten in your duotang.

Answer the following questions about the effects of climate change on Water:

1. List six reasons we need water (as a human and as a society):

2. Climate change is likely to increase water demand while shrinking water supplies. In other areas, water shortage won’t be the problem. What will be?

3. Warmer temperatures increase the rate of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of water into the atmosphere, in effect increasing the atmosphere’s capacity to “hold” water.

4. Water quality could suffer in areas experiencing increases in rainfall. List three reasons why excess rainfall is a problem.

5. Warmer air temperature can directly raise stream and lake temperatures, which can harm aquatic organisms living in cold water habitats. Click on the link: [Ecosystem Impacts & Adaptation](http://www.epa.gov/climatechange/impacts-adaptation/ecosystems.html) and answer the following questions:

a. Name six major effects that this increase in water temperature can have on an ecosystem.

b. Describe how the decrease of sea ice in the Arctic indirectly affects the polar bear.