

39. What is a scrubber, and what does it do?

A sort of filter that removes poisonous gases from industrial emissions

40. What causes acid rain?

CO<sub>2</sub> from burning of fossil fuels & other things reacts w/ water vapor in air to form carbonic acid.

41. Explain the greenhouse effect.

Greenhouse gases in atmosphere trap heat from sun that bounces off Earth's surface. w/o, it would be too cold to support life.

42. What are possible effects of global warming?

- Rising sea level
- Decreased polar ice mass
- Increased frequency of droughts
- Increased frequency of storms

43. Why is chlorine used in water treatment?

to kill bacteria & prevent future bacterial growth.

44. Why is it so hard to clean groundwater?

Pollutants cling to the materials that make up aquifers, contaminate clean water. gw is deep & spread through lg areas, & recycling of gw takes hundreds or 100's of years

45. Why is improperly treated drinking water dangerous?

Many diseases are spread through contaminated drinking water.

46. Where is Earth's surface water located?

Lakes, rivers, streams