

Effects of the Use and Disposal of Pure Substances and Mixtures on the Environment

- 1) What do we call the liquid waste water from toilets, baths, showers, and sinks?
 - a) Waste water
 - b) Sewage
 - c) Chemical water
 - d) Used water
- 2) The grit chambers are a part of which level of treatment?
 - a) Primary
 - b) Secondary
 - c) Tertiary
 - d) Grit chambers are not a part of water treatment
- 3) Which level of treatment is a biological treatment?
 - a) Primary
 - b) Secondary
 - c) Tertiary
 - d) Biological treatments are not a part of water treatment
- 4) Which level of treatment is a chemical treatment?
 - a) Primary
 - b) Secondary
 - c) Tertiary
 - d) Chemical Treatments are not a part of water treatment.

- 5) Which level of treatment is a separation treatment?
- a) Primary
 - b) Secondary
 - c) Tertiary
 - d) Separation treatments are not a part of water treatment.
- 6) What can cause untreated waste water to be returned to the environment?
- a) Heavy water usage by a community
 - b) Very heavy rainfalls
 - c) Untreated water is NEVER returned to the environment
 - d) Answers a) and b) are both correct
- 7) What can we find high levels of in almost every North American lakes, rivers and streams that can be dangerous to the environment?
- a) Fish
 - b) Human feces
 - c) Pesticide residue
 - d) Garbage
- 8) How can pesticides enter our water?
- a) Percolation
 - b) Leaching
 - c) Pesticide drift
 - d) All of the above

- 9) Which of the following is NOT an impact of pesticides?
- a) Fewer living things in soil and waterways
 - b) Farmers reporting headaches, dizziness, and vomiting
 - c) Bacteria growing in our water
 - d) Long term health problems for people in close contact
- 10) How long have Hamilton steel manufacturers been releasing industrial waste material into the environment?
- a) Over 10 years
 - b) Over 25 years
 - c) Over 50 years
 - d) Over 100 years
- 11) What do we call an area where garbage is disposed of and buried under layers of soil?
- a) A dump
 - b) A landfill
 - c) A recycling plant
 - d) My bedroom floor
- 12) What CANNOT be thrown out in a landfill?
- a) Food scraps
 - b) Hazardous waste
 - c) Scraps of wood
 - d) Clothing

13) Why is Uranium so dangerous to the environment?

- a) It is very hot
- b) It is poisonous
- c) It is radioactive
- d) It is corrosive

14) How long does uranium need to spend in a "spent fuel pool" until it is cool and stable enough for transportation?

- a) 5 hours
- b) 5 days
- c) 5 months
- d) 5 years

15) According to estimations, how long is spent nuclear fuel dangerous to the environment for?

- a) 100 years
- b) 1,000 years
- c) 10,000 years
- d) 100,000 years