

## Fresh and Saltwater Systems Practice Quiz

### Topic 6 - Water Quality and Water Management

1. Hard water contains an excessive amount of dissolved solids. Soft water contains fewer dissolved salts especially these ...

**magneisum and sodium**

**calcium and phosphorus**

**sodium and phosphorus**

**calcium and magnesium**

2. Contaminants are toxic substances that do not occur naturally in the environment, making water unsafe for living organisms. PCB's are toxic substances that are chemicals used for making ....

**electrical circuits**

**electrical transformers**

**thermocouples**

**hydro-electric turbines**

3. pH is a measure of how acidic or basic a substance is. A scale is used that ranges from 0-14. Normal rain is around 5.6 on the pH scale. Acid rain would be around ...

**0.5**

**2.0**

**7.0**

**8.3**

4. There are many different kinds of organisms that live in the lakes, ponds, rivers and streams throughout Alberta. Caddisfly larvae live in streams and rivers. They build small cases to protect themselves in the water from predators. These cases are made by using ...

**secretions from their abdomen**

**dead organisms in the water**

**plant material and sand**

**leaves and twigs that have fallen in the water**

5. Many different species that live in or near aquatic environments can be used as bioindicator species. The Whitefish Lake First Nations people are working with scientists to study the cause and effects of outbreaks of '**botulism**' in this species ...

**ducks**

**turtles**

**frogs**

**toads**

6. Water management is very important in order to achieve sustainability of this natural resource. Of the water that is available for Canadians to drink, water treatment plants have processed this much of it already ...

**25%**

**48%**

**57%**

**81%**

**Check your**  
**Answers**

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### Topic 6 - Water Quality and Water Management

1. Hard water contains an excessive amount of dissolved solids. Soft water contains fewer dissolved salts especially these ...

**magneisum and sodium**

**calcium and phosphorus**

**sodium and phosphorus**

**calcium and magnesium (p. 449)**

2. Contaminants are toxic substances that do not occur naturally in the environment, making water unsafe for living organisms. PCB's are toxic substances that are chemicals used for making ....

**electrical circuits**

**electrical transformers (p. 451)**

**thermocouples**

**hydro-electric turbines**

3. pH is a measure of how acidic or basic a substance is. A scale is used that ranges from 0-14. Normal rain is around 5.6 on the pH scale. Acid rain would be around ...

**0.5**

**2.0 (p. 452 - Figure 5.87B)**

**7.0**

**8.3**

4. There are many different kinds of organisms that live in the lakes, ponds, rivers and streams throughout Alberta. Caddisfly larvae live in streams and rivers. They build small cases to protect themselves in the water from predators. These cases are made by using ...

**secretions from their abdomen**

**dead organisms in the water**

**plant material and sand (p. 455 - Figure 5.90)**

**leaves and twigs that have fallen in the water**

5. Many different species that live in or near aquatic environments can be used as bioindicator species. The Whitefish Lake First Nations people are working with scientists to study the cause and effects of outbreaks of '*botulism*' in this species ...

**ducks (p. 456 - Figure 5.91A)**

**turtles**

**frogs**

**toads**

6. Water management is very important in order to achieve sustainability of this natural resource. Of the water that is available for Canadians to drink, water treatment plants have processed this much of it already ...

**25%**

**48%**

**57% (p. 462 - Did You Know)**

**81%**