

ATR_Matter and Purification of Water Quiz - Form A

Name: _____ Period: _____

1. When a disaster strikes, which procedure would you use to prepare drinking water from creek water?
 - ☐ Filter the water, then boil it for 10 minutes
 - ☐ Filter the water two times
 - ☐ Let the water stand in a bucket overnight
 - ☐ Put charcoal in the water
2. After a disaster, why may city officials ask the people to **boil** tap water before drinking it?
 - ☐ To remove lead contamination
 - ☐ To kill harmful bacteria
 - ☐ To filter out sand
 - ☐ To remove its brown color
3. What would be the best way to **remove salt from sea water** to create drinking water?
 - ☐ Filter the water several times, then boil it for 10 minutes
 - ☐ Boil the water for 10 minutes
 - ☐ Let it sit overnight for the salt to settle down
 - ☐ Find a way to distill the water
4. You are stranded on a deserted island without fresh water. You find a pile of trash near the water. Which of the following items would you take to make drinking water? Check all that apply.
 - ☐ A plastic bag
 - ☐ A broken flip flop
 - ☐ An empty plastic water bottle
 - ☐ An old pen

What would you do with the item(s) you chose? Use at least two sentences in your answer.

5. Which chemical should have been added to Flint's water to prevent lead contamination?
 - ☐ Phosphate
 - ☐ Chlorine
 - ☐ Fluoride
 - ☐ Sulfate

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6. Decide whether you have an **element**, a **compound**, a **homogeneous mixture**, or a **heterogeneous mixture**.

Substance	Type of Matter
Water mixed with dirt and sand	
Liquid propane (one substance; contains C and H)	
Aluminum foil	
Clear sugar water	
Chocolate bar with whole nuts and caramel cream	
Table salt - NaCl (one substance; contains two different elements: Na and Cl)	

7. Choose the appropriate **state of matter** and choose the appropriate definition for each.


