



Water Filtration: Student Activity Sheet

Name: _____

Date: _____

Part 1: Filtration

1. Predict which filter will be most effective and which filter will be least effective at removing sand from the water.

Cone Coffee Filter	
Basket Coffee Filter	
Napkin	

2. Record your observations.

Filters	Observations
Cone Coffee Filter	
Basket Coffee Filter	
Napkin	

3. Compare your results to your prediction. _____
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Part 2: Turbidity

1. Record your turbidity results below

Filters	Turbidity (JTU)
Cone Coffee Filter	
Basket Coffee Filter	
Napkin	

Part 3: Layers of Filtration

1. Record your turbidity results below

Filters	Turbidity (JTU)
Folded Napkin	
Unfolded Napkin	

2. How did the turbidity change from a folded to an unfolded napkin? _____

Part 4: Is It Safe to Drink?

1. Predict if the cone coffee filter will filter out the powdered drink mix. _____

2. Using evidence from your investigation, explain why filtration alone does not make water safe to drink (potable). _____

