

8. Drag and drop to put the steps you used to separate the Sand, Salt, and Iron Filings in order.

- 1.
- 2.
- 3.
- 4.

Add water to the mixture to dissolve the salt
Evaporate the water the separate it from the salt water solution.
Filter the mixture to separate the sand from the mixture
Use a magnet to get the iron out of the iron, sand and salt mixture.

9. List the physical properties of each substance in the mixture that allowed you to separate it from the mixture.

Substance _Iron Physical Property _____

Substance _Sand Physical Property _____

Substance _Salt Physical Property _____

Substance _Water Physical Property _____

10. Now suppose you were give a mixture of foam packing balls, sand, and salt. How could you separate this mixture? To help you separate the mixture you are allowed to use water, a bowl, a slotted spoon, filter, measuring cup, and a funnel. To start list the properties of each substance that might help you separate them, then write the steps you could use to separate the mixture.

Substance __Foam Physical Property _____

Substance __Sand Physical Property _____

Substance __Salt Physical Property _____

Substance _Water Physical Property _____

Procedure:

Use your **notes page 17** or the textbook pages **18 and 27 for Physical**, **34 and 35 for Chemical**:

- a. Define physical property:
- b. Give some examples of physical properties: