

WARNING — This set contains chemicals that may be harmful if misused. Read cautions on individual containers carefully. Not to be used by children except under adult supervision.

(The chemical used in this activity is salt.)

Solutions and Suspensions

Session I—Activity 3

1. Add one-half cup of water to the cup containing sand. Add one-half cup of water to the cup containing salt. Stir the mixtures with separate stirrers. Describe the appearance of each mixture.

Salt and Water

Sand and Water

2. Assemble the funnel and filter paper according to your teacher's instructions. Combine the sand/water and salt/water mixtures and pour through the filter and funnel. Describe the filtrate.

Session II—Activity 4

3. a. Once the filtrate has evaporated, retrieve your aluminum pan. What do you see in it?

- b. Which of the two solids (salt and sand) was once part of a homogeneous mixture? What is this kind of mixture called?

- c. Which of the two solids was once part of a heterogeneous mixture? What is this kind of mixture called?

- d. What property of salt allows it to be separated from sand using a filter?
