

Activity 1



ESL/ELD Stage 1 + 2: Gr. 7 Science

Strand 2: Pure Substances and Mixtures (Vol.1)

Mechanical Mixtures, Solutions and Pure Substances (page 3)

ESL Organize Data, Stg1 + Stg 2

- ☐ 1 writes appropriate responses to few written questions
- ☐ 2 writes appropriate responses to some written questions
- ☐ 3 writes appropriate responses to most written questions
- ☐ 4 writes appropriate responses to all or almost all written questions

ELD Organize Data, Stg1 + Stg 2

- ☐ 1 unable to organize information using a graphic organizer
- ☐ 2 able to organize some information using a graphic organizer
- ☐ 3 able to organize most information using a graphic organizer
- ☐ 4 able to organize all information using a graphic organizer

Instructions: Label each diagram as either a mechanical mixture, solution or pure substance. Explain your choice using these phrases:

All particles are the same, Able to see each substance in the mixture, Unable to see each substance in the solution

Common Table Salt



- ☐ Mechanical mixture
- ☐ Solution
- ☒ Pure Substance

Briefly explain your choice.

All particles are
the same

Raisin Bran © Cereal



- ☐ Mechanical mixture
- ☐ Solution
- ☐ Pure Substance

Briefly explain your choice.

Pencil



- ☐ Mechanical mixture
- ☐ Solution
- ☐ Pure Substance

Briefly explain your choice.

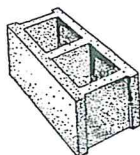
Pizza



- ☐ Mechanical mixture
- ☐ Solution
- ☐ Pure Substance

Briefly explain your choice.

Concrete Block



- ☐ Mechanical mixture
- ☐ Solution
- ☐ Pure Substance

Briefly explain your choice.

Common Table Sugar



- ☐ Mechanical mixture
- ☐ Solution
- ☐ Pure Substance

Briefly explain your choice.

Black Coffee + Sugar



- ☐ Mechanical mixture
- ☐ Solution
- ☐ Pure Substance

Briefly explain your choice.

Metal Tins to be Recycled



- ☐ Mechanical mixture
- ☐ Solution
- ☐ Pure Substance

Briefly explain your choice.

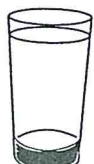
Aluminum Can



- ☐ Mechanical mixture
- ☐ Solution
- ☐ Pure Substance

Briefly explain your choice.

Water (no additives)



- ☐ Mechanical mixture
- ☐ Solution
- ☐ Pure Substance

Briefly explain your choice.

Oxygen Gas



- ☐ Mechanical mixture
- ☐ Solution
- ☐ Pure Substance

Briefly explain your choice.

Hair Shampoo



- ☐ Mechanical mixture
- ☐ Solution
- ☐ Pure Substance

Briefly explain your choice.

Perfume or Cologne



- ☐ Mechanical mixture
- ☐ Solution
- ☐ Pure Substance

Briefly explain your choice.

Diamond



- ☐ Mechanical mixture
- ☐ Solution
- ☐ Pure Substance

Briefly explain your choice.

Box of Crayons



- ☐ Mechanical mixture
- ☐ Solution
- ☐ Pure Substance

Briefly explain your choice.

Toothpaste



- ☐ Mechanical mixture
- ☐ Solution
- ☐ Pure Substance

Briefly explain your choice.