

Lesson Plan Day 5 – What is the Difference between a Mixture and a Solution?

Level 3 Question(s) Addressed:

- What is a mixture?
- What is a solution?
- How can you separate a mixture?
- How can you separate a solution?

Date(s) Day 5

Content Standard(s):

- SOL 5.1 a,h,and i
- SOL 5.4 e mixtures and solutions

NOS Aspects

- Tenet 1 – Understandable
- Tenet 2 – Demands evidence
- Tenet 5 – Social
- Tenet 8 – Observation and Inference

Student Objective(s) for this lesson:

1. Objective 1 – Know what a mixture is.
2. Objective 2 – Know what a solution is.
3. Objective 3 – Know how to separate a mixture.

Misconceptions to address in this lesson:

- A. Misconception 1 – Solutions can be separated.
- B. Misconception 2 – Mixtures and solutions are the same.
- C. Misconception 3 - Everything can be separated.

Safety Concerns in this lesson:

- Safety 1 – Any food
- Safety 2 – Any liquid