

## CurriculumVisions Lesson

Students: fill in next to the word answer and return the document for assessment.

### Science

Book: Solids and liquids (4D)

Pages 18-23

Everything here is based on our Curriculum Visions book Book: Solids and liquids (4D).

In this segment, we are going to think about mixtures.

You will need to go to pages 18-19 of the book. Describe what happens to the particles when you mix: 1. two solids; 2. two liquids; and 3. a solid and a liquid.

Answers.....

- The particles get jumbled up together.
- The particles of one liquid spreads out in the other.
- The particles of the solid dissolves in the liquid.

Go to pages 20-21. Think of an insoluble substance. Draw a picture to show what happens when you mix the insoluble substance in a glass of water.

Answers will vary.....

Look for a picture that shows the particles of the insoluble substance clumped up in the water.

Go to pages 22-23. Design a way to separate two solids that are different sizes. Design a way to separate a solid from a liquid. If your teacher agrees, try them out.

Answers will vary.....

Look for designs that include using a sieve to separate the

two solids and a filter to separate a liquid and the solid. You could encourage some students to think of ways to separate a solid dissolved in a liquid (such as by evaporating the liquid off or through crystallization).

If you are interested in this topic continue to browse the book and watch our amazing videos. They start right on the book cover.