

## CurriculumVisions Lesson

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

### Science

Book: Solids and liquids (4D)

Pages 4-9

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

#### Part 1

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

You will need to go to pages 4-5 of the book.

Take a look around your classroom (or your room at home). Make a list of 10 solids that you can see. What do these things have in common? How are they different?

Answers will vary.....

For in common, look for: cannot change its shape freely, does not move unless pushed or pulled

For different, encourage students to note whether the object is hard and strong or soft and flexible and point out that both are solids

Go to pages 6-7. What happens to the particles in a crystal? Why are crystals often shiny?

Answer.....

The particles are locked together in a regular way. They have flat faces that reflect the light.

What are some examples of crystals?

Answers will vary.....

Answers may include: snowflakes, sugar, salt, gemstones  
(diamonds, rubies, emeralds, etc.), minerals

Go to pages 8-9 Imagine that you are making a pile of dry sand at the beach. Why does the pile collapse? What happens when you add water to the sand?

Answers.....

The pile collapses because the grains don't stick together.  
When you add water, the grains stick together.

What causes a landslide?

Answer.....

When soil gets too wet and flows easily.

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