

Lesson 2: What is a Living Thing?

BBB: Signs of Life

Purpose

Watch the video located at any one of the following addresses:

<http://goo.gl/A2YZG>

<http://vimeo.com/62789030>

<http://www.youtube.com/watch?v=-f1Sq9Md4b8>



Your Progress:

- Mastery
- Proficient
- Developing
- Beginning

Questions

1. (Short answer) What are the 6 characteristics of a living thing?

1.	3.	5.
2.	4.	6.

2. (Multiple-Choice) In the story, the first sample that Commander Ostrowski (Wong) and Captain Bingaman encounter is evaluated for being alive. What are their findings?

- a. It is alive, because it is a plant.
- b. It is alive because it has all 6 traits of life.
- c. It is dead because they do not get there in time.
- d. It is nonliving because it is made of plastic.

3. (Multiple-Choice) In the story, the second sample that Commander Ostrowski (Wong) and Captain Bingaman encounter is evaluated for being alive. What are their findings?

- a. It is alive, because it can walk.
- b. It is alive because it has all 6 traits of life.
- c. It is dead because they shoot it with the phaser.
- d. It is nonliving because it is not made of cells and does not respond to stimuli.

(Continue on back)

4. (Multiple-Choice) If a person's body temperature drops below 95 °F from exposure to extreme cold, their body may fall into a state of hypothermia. In serious cases of hypothermia, a person's organs begin to shut down because their body's core temperature is too low.

Which of the following characteristics of a living thing cannot be maintained if a person has hypothermia?

- a. Responding to stimuli.
- b. Homeostasis.
- c. Metabolism
- d. Made of cells

5. (Multiple-Choice) View this YouTube video: <http://goo.gl/B8rY>. This video is a great example of:

- a. Responding to stimuli.
- b. Homeostasis.
- c. Metabolism
- d. Made of cells