



Please sort the items as living or non-living.

| <i>Living</i> | | | <i>Non-Living</i> | | |
|---------------|--------|----------|-------------------|---------|-------|
| Jellyfish | Algae | Wind | Fallen Leaf | | |
| Bacteria | Virus | Elephant | Hair | Crystal | Water |
| Coral | Human | Seed | Siri | Atoms | |
| Rose Bush | Fungus | Shell | Sun | | |
| Oak Tree | | Car | Molecules | Fire | |
| | Zombie | | | | |

*There are 24 words, and we will need 24 volunteers to move on.

Living vs Non-Living

On the previous slide we classified a variety of things as being living or non-living. How did we make those choices, what makes something living?

*Record student generated list of criteria for living.

Living vs Non-Living

Different sources will have different lists used to classify things as living, most only vary in wording. In grade 8, we will use the following criteria:

1. Composed of Cells
2. Require Energy
3. Grow/Repair Itself
4. Reproduce
5. Breathe
6. Capable of Movement
7. Respond to their Environment
8. Produce Waste
9. Have a Life Span



Compare an airplane to an eagle. Why is one living, and not the other. Does the airplane show characteristics of a living thing?

Living vs Non-Living

In your notes, create a table with the headings found in the example below.

Fill in the first column with the 9 characteristics we mentioned on the previous page.

In the second column, think of something that is not living, but still shows that specific characteristic.

In the final column, explain why the thing listed in the middle column is non-living. Do this by referencing another characteristic.

Here is an example:

| Characteristic | Non-Living Thing Showing That Characteristic | Why is it Non-Living? |
|-----------------|--|-----------------------|
| Has a Life Span | iPhone Battery | It does not reproduce |

Composed of Cells
Reproduce
Have a Life Span

Require Energy
Breathe
Produce Waste

Grow/Repair Itself
Capable of Movement
Respond to Environment

Living vs Non-Living

If you are done early, find someone else who is done and play the following game:

- > One person chooses a non-living thing and states:
"_____ is living because _____."
Filling in the second blank by stating a characteristic of living things.
- > The second partner then refutes that statement by stating:
"However, _____ is non-living because _____."
Using the same item, but filling in the second blank with a characteristic of living things that it does not display.
- > If possible, the first partner repeats their statement (same thing) by using a different characteristic.
- > This continues until one partner cannot argue their point anymore. The winner is the last person to make a statement.
- > Switch partners and repeat.