



### Validity of a Hypothesis Activity

Take a look at the hypotheses below and decide if they are valid or not and why.

1. If salt is added to water then the water will be clean.
  - a. Valid
  - b. **Not Valid**
  - c. Why? **This is not a valid hypothesis because it cannot be refuted. More detailed would be required to define "clean."**
2. If people watch a video about recycling then they will recycle from now on.
  - a. Valid
  - b. **Not Valid**
  - c. Why? **This is not a valid hypothesis because it cannot reasonably be tested. It would be difficult if not impossible to see if people continued to recycle "from now on."**
3. If the soil pH is decreased in the area in front of our school then grass will grow faster.
  - a. **Valid**
  - b. Not Valid
  - c. Why? **This is a valid hypothesis because it is testable and COULD be refuted.**

Now it's your turn! Try writing three VALID hypotheses. You can pick the subject, just make sure the hypotheses can be tested and COULD be proven false by testing.

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2. \_\_\_\_\_  
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3. \_\_\_\_\_  
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