

Name: _____

Conducting Science Investigations

SOL 3.1

- 1) What kind of statement is, “The rock feels bumpy and scratchy”?
 - a. *Hypothesis*
 - b. *Prediction*
 - c. *Observation*
 - d. *Inference*

- 2) Honeybees need flowers to make honey. Which is the best prediction of what may happen if all the flowers in one place are taken away?
 - a. *The honeybees will grow their own flowers.*
 - b. *The honeybees will make more honey than before.*
 - c. *The honeybees will make less honey than before.*
 - d. *The honeybees will not be able to make honey.*

- 3) A student wants to know if beans planted in a warm place will grow better than beans planted in a cool place. Which is the best hypothesis for the student to use?
 - a. *If the seeds are kept warm, then they will grow faster.*
 - b. *If the beans are planted in good soil, then they will grow faster.*
 - c. *If the beans are given enough water, then they will grow faster.*
 - d. *If the beans are given fertilizer, then they will grow faster.*

- 4) A student planted the same kind of flower seeds in two pots. The student added plant food to one pot. The seeds in this pot grew faster than the other seeds. What is the best conclusion?
 - a. *Flower seeds need plant food to grow.*
 - b. *Flower seeds do not need plant food to grow.*
 - c. *Some flower seeds grow better than others.*
 - d. *Plant food helps the flower seeds grow faster.*