Adkins – Review for Unit 1 Lessons 1-3

1. How can a scientific idea change?
2. Where do chemist perform their experiments?
3. Where do biologists perform their experiments?
4. What is the kinetic theory of matter according to the behavior of gases?
5. Be able to look at charts and come up with conclusions.
6. What is the first step during a scientific investigation?
7. Give an example of a dependent variable.
8. Give an example of an independent variable.
9. Give an example of a control.
10. What is the variable called that changes in an experiment?
11. What is the variable called that is being measured in an experiment?
12. A scientists in who would be most interested in data about animals in different habitats is a \_\_\_.
13. Name 3 empirical observations about Mrs. Adkins’ room.
14. What senses do you use while making an observation?
15. When a scientists does an experiment over and over, it is called:
16. When another scientist performs your experiment to test it himself, it is called:
17. What is an inference?
18. The shot-putter hurls the shot with the same force each time, what is the independent variable?
19. How does the manipulation of the independent variable change the dependent variable?

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ANSWERS

1. When new evidence leads to modification of ideas
2. In a laboratory
3. In the field
4. When something like a balloon gets bigger as the temperature of the gas inside it increases bc the gas particles move faster and get farther apart.
5. X
6. Define the problem
7. X
8. X
9. X
10. Independent variable NOS Kahoot
11. Dependent variable
12. Biologist
13. X
14. Touch, sight, hearing
15. Repetition
16. Replication
17. A conclusion reached on the basis of evidence and reasoning
18. The angle at which the shot is thrown
19. Gas particles move faster & farther apart at higher temps