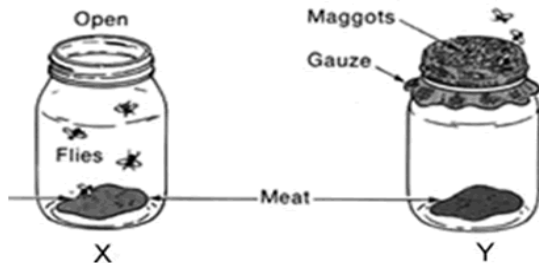


1-2 How Scientists Work..... Name _____



1. Aristotle made extensive observations about the _____
2. According to the "Recipe for Bees" what did you have to kill during the winter? _____
3. What is spontaneous generation? _____
4. What was Redi's hypothesis? _____
5. The factors in an experiment that can change are called _____
6. A hypothesis should be tested by an _____ in which only one _____ is changed at a time.
7. The variable that is changed is called the _____ variable.
The variable that is not changed is called the _____ variable.
8. In the image below, which jar (X or Y) would have developed maggots? _____



Court Approved Supplemental Information

Deadline to File: June 8, 2015

Deepwater Horizon (BP) Economic Settlement

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9. What was the purpose of the gauze in the experiment? _____
10. Which of the jars above was the control jar? _____
11. In the past, data was often recorded in notebooks or personal _____. Today, researchers often store their data on a _____.
12. Scientists use data to draw a valid _____.
13. Redi's results explained where _____ come from.
Redi's results refuted the hypothesis of _____

14. Number the following steps in the correct order.

- _____ Forming a hypothesis
- _____ Drawing a conclusion
- _____ Recording and analyzing results
- _____ Asking a question
- _____ Setting up a controlled experiment

15. Scientists publish their results in journals in order to: a) get paid b) allow other scientists to check their work

16. What did Anton van Leeuwenhoek call the tiny moving objects he saw in water? _____

17. John Needham attempted to show that "little animals" could come from _____

18. Spallanzani's experiment showed that the living things that entered the gravy came from where? _____

19. Pasteur improved on on Needham's experiment by :

- a) leaving the flask open to the air
- b) sealing the flask
- c) adding water to the flask

20. Name the scientist credited with the discovery:

1. Blood is circulated through vessels _____
2. Anthrax vaccine _____
3. The structure of DNA (two people) _____
4. Detailed study of human anatomy _____

21. Name one reason why a controlled experiment may not be possible: _____

22. If a hypothesis becomes very well supported, scientists may consider it a _____

23. In science, the word _____, applies to a well tested explanation that unifies a broad range of _____.

24. What two theories help explain why some marsupial mammals are only found in Australia? _____

25. What can happen to a theory if new evidence is found? _____

