

**Biology**  
**Unit 5 Assessment**

Date: \_\_\_\_\_

Name: \_\_\_\_\_

1. What is the objective of doing projects?
  - a) Spend the rest of the course time.
  - b) Check the students' advance and acquired abilities to develop topics of the course, so that knowledge can be integrated and applied.
  - c) Identify a problem and solve it.
  - d) Test results through experimentation.
  
2. How are project topics chosen?
  - a) Looking for the simplest topics.
  - b) Choosing the topics that are interesting to students.
  - c) Letting the teacher decide them.
  - d) At random.
  
3. Which are the abilities and knowledge to do a project correctly?
  - a) Scientific knowledge.
  - b) Creativity, imagination, decision-taking ability, develop an opinion to carry it out.
  - c) Different language knowledge.
  - d) Both a and b are correct.
  
4. Why is collaborative work important to do a project?
  - a) Because when team working, a democratic attitude in which everyone participates and work load is balanced, is developed.
  - b) Because if the most dedicated student does the most important part, the result will be correct.
  - c) When in a team everyone wants to decide and take decisions, leading the team is more fun.
  - d) Because if you leave the hardest part to your classmates, you can take a rest.
  
5. What method should be used to do a project?
  - a) The empirical method.
  - b) The scientific method.
  - c) The analytical method.
  - d) Both answers a and b are correct.
  
6. Which are the steps to develop a project?
  - a) Plan, research, delivery and evaluation.
  - b) Plan, research and results analysis.

- c) Make questions about the topic and communicate.
  - d) Plan, delivery and evaluation.
7. It is a project that describes and explains every day, natural phenomena through research, in which students can develop activities related to formal scientific work:
- a) Collaborative project.
  - b) Scientific project.
  - c) Social project.
  - d) Technological project.
8. They are projects that contribute to evaluate critically science and society through interaction between students and other people as well as through the analysis of problems and social situations, interesting to students.
- a) Collaborative project.
  - b) Scientific project.
  - c) Social project.
  - d) Technological project.
9. Projects that stimulate creativity to build technical objects and boost practical mastery related to materials and tools to simplify tasks:
- a) Collaborative project.
  - b) Scientific project.
  - c) Social project.
  - d) Technological project.
10. Projects in which students get together, make an effort, cooperate and coordinate to reach the desired outcome:
- a) Collaborative project.
  - b) Scientific project.
  - c) Social project.
  - d) Technological project.
11. Knowledge obtained through experience and observation whose results have not been tested:
- a) Scientific knowledge.
  - b) Empirical knowledge.
  - c) Moral knowledge.
  - d) Theoretical knowledge.
12. Knowledge which is obtained through a scientific method in which an organized procedure, that starts in observation, moves on to research, then to experiment and finally to analyze data in order to explain nature's phenomena, concluding whether it is true or not is followed.
- a) Scientific knowledge.
  - b) Empirical knowledge.

- c) Moral knowledge.
- d) Theoretical knowledge.

13. Rank the scientific method steps:

- ( ) Make questions about the topic or the hypothesis.
- ( ) Results delivery.
- ( ) Do research thoroughly.
- ( ) Object or phenomenon observation.
- ( ) Analyze results creating a conclusion and postulate theories and laws.
- ( ) Experiment.
- ( ) Choose a topic.

14. Which is the first step when you do a research project?

- a) Deliver conclusions.
- b) Observe the object or phenomenon.
- c) Choose a topic and make questions about it.
- d) Do research from different sources.

15. They are the sources from which information might be collected.

- a) Action movies.
- b) Internet, encyclopedias, books, magazines, etc.
- c) Interviewing specialists in the topic.
- d) Both answers b) and c) are correct.

**Biology**  
**Unit 5 Assessment Answer Key**

1. **B**

2. **B**

3. **B**

4. **A**

5. **D**

6. **A**

7. **B**

8. **C**

9. **D**

10. **A**

11. **B**

12. **A**

13. **2, 6, 4, 3, 7, 5, 1**

14. **C**

15. **D**

