

Name_____ Period_____ Date_____

BIOLOGY STUDY GUIDE Chapter 1 - Introduction to Biology
2016

Test Date: Wed., Oct. 12th,

CLASSROOM CLIMATE

1. What are the three expectations for all students in this class?

1. _____ 2. _____ 3. _____

2. What is an example of being 'respectful' in this class that we put on our poster?

3. What are three rules for all students in this class?

1. *One student out at a time,* 2.

3. *Take care of personal business at an appropriate time.*

4. Where is the hall pass located for times when I need to go the restroom/get water/go to my locker?

5. What is our biology class blog address?

6. How do I access the online version of our biology textbook?

www.my.hrw.com, username: *biology378*, password:

7. What goes on the left side and right side of my interactive notebook?

8. How many points is my interactive notebook worth per chapter?

9. Name 5 examples of how I can do color processing on the left side of my interactive notebook.

Drawings, _____, _____, _____,

10. Where can I find Ms. Ferro during tutorial?

1.2: SCIENTIFIC METHODS

11. Define hypothesis - *a proposed answer to a question; a specific testable prediction for a limited set of conditions; an IF, THEN statement.*

12. Define scientific method - *an organized plan for gathering, testing, and communicating information*

13. Name the 5 steps (in correct order) of the scientific method:

1. *Observation*
2. *Form* _____
3. *Test hypothesis with* _____
4. *Analyze* _____
5. *Form conclusion*

1.4 PROPERTIES OF LIFE

14. What are the seven characteristics of living things?

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

15. Define homeostasis -

16. Define metabolism -

17. Does every living thing *a/ways* show each one of the 7 characteristics of life? Explain.

1.3: MEASUREMENT SYSTEMS

18. What is the difference between a measurement, a unit, and quantity?

A measurement is a quantity + unit, like 5cm, a unit is how you're measuring something (cm, liters, etc)., and quantity is the amount that you're measuring, expressed as a numerical value.

19. What are the 6 common measurements that we use in science?

20. What is the best metric unit used to measure the distance from Portland to Tillamook?
kilometers

21. Liquid volumes in the lab are often measured in metric units
called_____.

22. Your height in metric units would be measured in_____ and your weight in _____.
centimeters, kilograms

23. If there are about 2cm to each inch would your body measurements be larger numbers or
smaller numbers in the metric system? *larger*

24. How many centimeters are in a meter?

25. You use kilometers to measure _____. *length*

26. You use milligrams to measure _____.

27. You use liters to measure _____. *volume*

28. You use Celcius to measure _____. *temperature*

29. You use square centimeters to measure _____.

30. You use nanoseconds to measure _____. *time*