Name: _____ Date: _____ Period: _____

Science Final Review

1. Understand what the Scientific Method is about and how to use it to understand different scientific questions.

2. List 3 conditions when you would be required to wear safety goggles during an 8th Grade Science experiment (we do not dissect in 8th Grade).
    a.
    b.
    c.

3. List the purpose of each type of equipment and what it measures.
    a. Graduated Cylinder:
    b. Celsius Thermometer:
    c. Meter Stick:
    d. Triple Beam Balance:

4. Write the definition and the metric unit for each of the following:
    a. Volume:
    b. Mass:
    c. Temperature:
    d. Density:
    e. Force:
    f. Work:

5. What is the difference between potential and kinetic energy?

6. What is the difference between a balanced force and an unbalanced force?

7. Balanced forces cause objects to…
    a.
    b.
    c.

8. Unbalanced forces cause objects to…
    a.
    b.
    c.
    d.
    e.
    f.

9. What is the formula for work?

10. Define speed, velocity, and acceleration then write an example for each.

a. Speed:
b. Velocity:
c. Acceleration:

11. What is the formula for speed?

12. KNOW HOW TO READ A DISTANCE-TIME GRAPH AND A SPEED-TIME GRAPH.

13. What is Newton's 1st Law?

14. What is Newton's 2nd Law?

15. What is Newton's 3rd Law?

16. Define density and write the formula for density.

17. Define weathering, erosion, and deposition.

a. Weathering:
b. Erosion:
c. Deposition:

18. What is the continental drift theory and who proposed this theory?

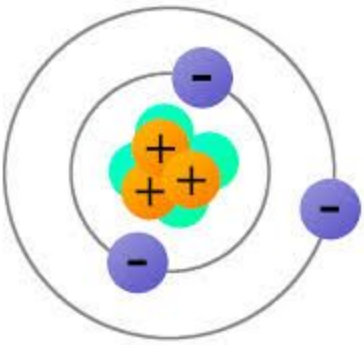
19. List 3 types of evidence to help support the continental drift theory?

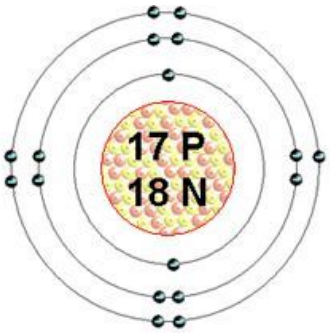
20. What do the following stand for?

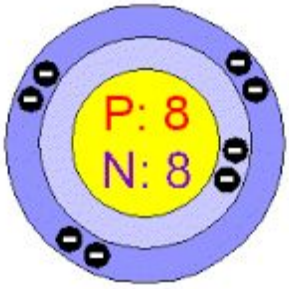
a. A=P=E
b. M-A=N

21. Identify the following elements:

_____ _____ _____







22. Fill in the table about the types of plate boundaries.

Type of Boundary	Sketch of Boundary	Direction of Movement	Types of Features
Divergent Plate Boundary			
Transform Plate Boundary			
Convergent Plate Boundary (Collision)			
Convergent Plate Boundary (Subduction)			

23. A topographical map shows-

a. Earth's layers
b. the mineral content of the rocks
c. the shape of the Earth's surface
d. Earth's climate

24. Fill in the following chart:

	Charge	Location	AMU	Function/Role
Protons				
Electrons				
Neutrons				