Name:

Period:

Binder Section/ #:

T,L,H, F, B Worksheet

In your groups, decide on a definition for the following words:

**Theory:**

**Law:**

**Hypothesis:**

**Fact:**

**Belief:**

Use your definitions to mark each of these statements as a theory (T), law (L), hypothesis (H), fact (F), or belief (B).

1. For every action, there is an equal and opposite reaction.
2. F = ma
3. Water freezes at 32 F
4. The Earth is a sphere.
5. The universe is expanding.
6. Humans were created separately from all other life on Earth.
7. Humans and gorillas evolved from a common ancestor species.
8. Light is an electromagnetic phenomenon described by Maxwell’s Laws
9. Matter is comprised of atoms.
10. The sun will die in 7.5 billion years.
11. Earth’s magnetic field is generated by a conducting fluid in its core.
12. Sunspots are colder than the surface of the Sun.
13. There are such things as ghosts.
14. The solar system formed from a primordial disk of gas and asteroidal material.
15. Matter can be converted into energy.
16. Energy can be converted into matter.
17. The positions of the planets can cause humans to act in specific ways.
18. Momentum is the product of a body’s mass and its velocity.
19. The core of the Sun has a temperature of 14.5 million Centigrade.
20. We will never know how life started on Earth.
21. The Milky Way is a spiral-type galaxy.
22. Black holes exist.
23. The sun will rise tomorrow morning.
24. The Earth is older than 10,000 years.
25. Genetic mutations cause organisms to change over time.
26. Primitive human-like creatures existed 2 million years ago.
27. If I jump out a window I will die.
28. The universe was created at the Big Bang.
29. The first generations of stars appeared about 100 million years after the Big Bang.
30. Space exists in 10-dimensions not just 3.
31. Some numbers are more lucky than others
32. More babies are born, and crimes take place, during the full moon.
33. The Coriolus Force makes water go down a drain counterclockwise.
34. The first multi-cellular organisms appeared on Earth about 560 million years ago.
35. The inverse-square law for gravity and Newton’s laws of motion explain why orbits are ellipses.

Now, redefine the terms in accordance with what you have seen from your classmates and what we have discussed as a class.

**Theory:**

**Law:**

**Hypothesis:**

**Fact:**

**Belief:**