

Name _____ Date _____ Period _____

Video Worksheet: "Electric Vocabulary"

CONCEPTUAL PHYSICS: UNIT 6

Directions: Answer the following questions while watching YouTube video "The Science of Static Electricity". <https://www.youtube.com/watch?v=MBRTR2dlwvA>

1. Who was the first person to observe what we call today **electrical phenomena**?
2. In **Thale's** language what was **amber** called?
3. What 17th century English scientist was the first in 2,200 years to re-examine ambers properties?
4. What did **Gilbert** name these amber-like objects?
5. What did the 18th century French physicist **Charles Du Fay** discover?
6. Charles Du Fay discovered that when two "**electrics**" are place next to each other that they will either _____ or _____.
7. **Benjamin Franklin** likened the act of "**electrifying**" and "**de-electrifying**" to what?

8. How did Benjamin Franklin come up with the term “**battery**”?

9. What does the phrase “**opposites attract**” mean when it comes to electricity?

10. Name at least three new ideas or discoveries that were made after Franklin’s initial scientific investigations with electricity?

1)

2)

3)

11. What discovery was made in 1897 about the “**electrical fluid**”?

12. What is the source of the word “**electron**”?

13. What was Franklin’s “**electrical fluid**” renamed?

14. What does it mean when they say that “**the electron has become the salmon of electricity**”?