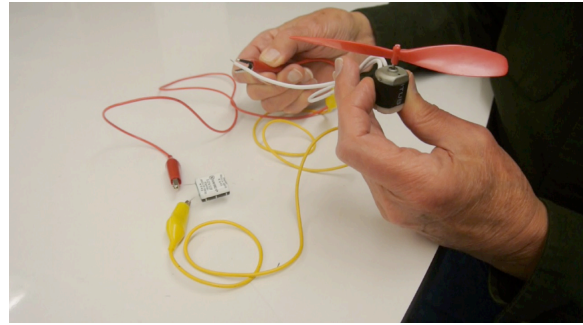


Capacitor Energy Quick Check

Name _____

Jim has a capacitor and a motor with a propeller on his desk. As soon as he connects the wires to the motor, the propeller begins to spin. The propeller spins for about 6 seconds and slows down to a stop. Watch a video of this investigation and answer the following questions.

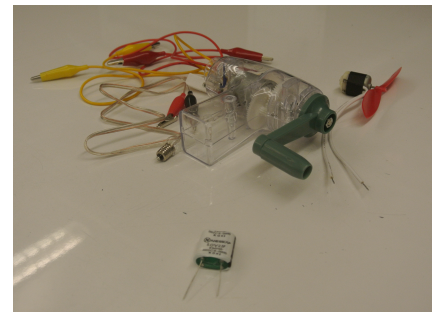


When does the capacitor have the most energy?

- Just before Jim connects the wires to the capacitor.
- Just after Jim connects the wires and the propeller starts spinning.
- When the propeller is spinning the fastest.
- Just after the propeller stops spinning.
- The capacitor has the most energy the whole time the propeller is spinning.
- Some other time.

The statement I chose makes sense to me because _____

Ben finds a capacitor in the classroom. He is not sure if it has any energy. Which of the following statements makes the most sense to you?



- All capacitors have energy
- The capacitor cannot have energy if it is not connected to something
- Ben could observe the capacitor carefully to see if it has energy
- Ben could do an investigation with the capacitor to see if it has energy
- There is no way to tell if the capacitor has energy

The statement I chose makes sense to me because _____
