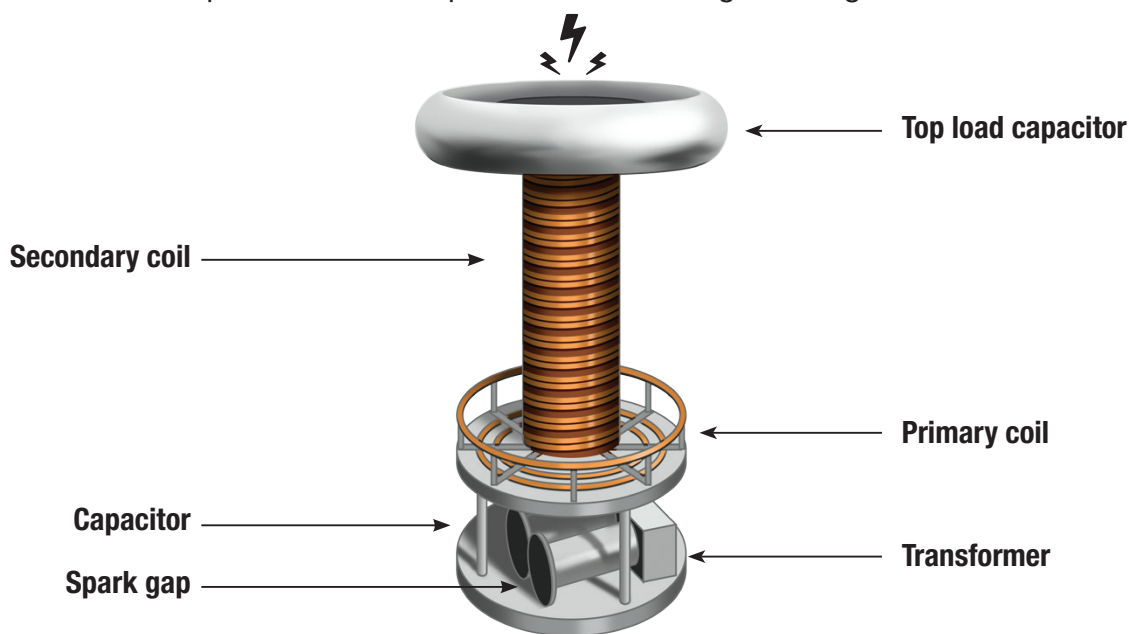


NAME _____

Light It Up!

In *Goosebumps 2: Haunted Halloween*, Sonny's science project is a Tesla coil. With the help of Slappy, it electrifies his town! Investigate the parts that make up the Tesla coil using this diagram.



The Tesla coil creates awesome sparks. Learn more about how it works by filling in the blanks in the sentences below.

boosts
power

between
spark

sponge
secondary

1. A _____ source is attached to the primary coil.
2. The capacitor "soaks up" the electricity like a _____.
3. Once the capacitor is full, the electric current streams back into the primary coil and toward the _____ gap.
4. The current flows through that gap into the _____ coil.
5. Electric current flows back and forth _____ the coils.
6. To increase the power, the transformer _____ the voltage of the current as it flows back and forth.

