

## **Activity 1**

Look at the inductor equation again:

$$v(t) = L \frac{di(t)}{dt}$$

Suppose i(t) is constant, what is v(t)?

A. L

B. 0

C. Undefined

## Activity 2

So, if the current in an inductor is constant, its voltage drop is 0, so the inductor can be replaced by:

- A. A short circuit.
- B. An open circuit.
- C. A resistor.



































