

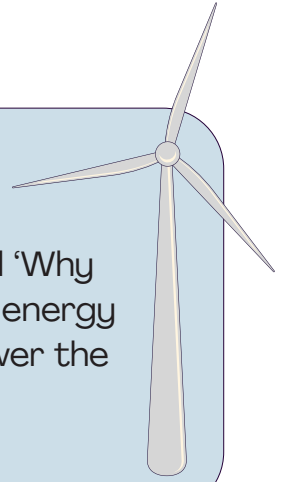
Name:

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# Why is wind a renewable energy resource?

## Instructions:

Watch the clip titled 'Why is wind a renewable energy resource?' and answer the following questions.

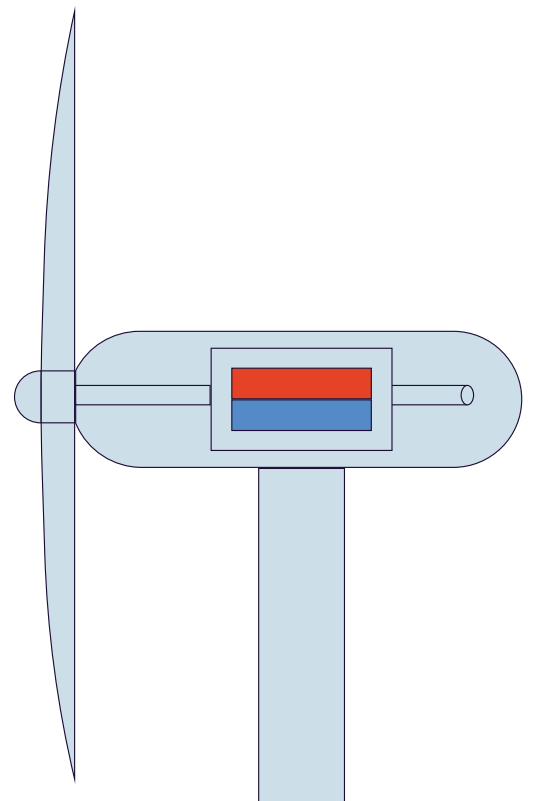


## 1. How does the spinning magnet in a dynamo (electricity generator) create a current?

- A) Each pole creates new electrons in a conductor.
- B) Each pole pushes and pulls electrons through a conductor.
- C) The turning magnet creates friction, which produces steam.
- D) The turning magnet makes the turbine turn, creating wind.

## 2. What is a non-renewable resource?

- A) A non-natural resource that can't be recycled.
- B) A natural resource that can't be replenished as quickly as it is used.
- C) A non-natural resource that can no longer be produced.
- D) A natural resource that never runs out.



3. What happens to the atmosphere as it is warmed by sunlight?

- A) It gets denser, and sinks.
- B) It cools, and rises.
- C) It warms, and becomes denser.
- D) It warms, and rises.

4. What kind of current do we call rotations of air rising and falling in our atmosphere?

- A) Conduction current
- B) Convection current
- C) Radiation current
- D) Electric current

5. Why is wind a renewable resource?

- A) As long as sunlight warms our atmosphere, wind will be produced as quickly as we can use it.
- B) Wind turbines will always generate more wind for us to use.
- C) Using the wind's kinetic energy doesn't slow it down, so it can never run out.
- D) Using the wind's kinetic energy leaves space for more wind to be produced.

