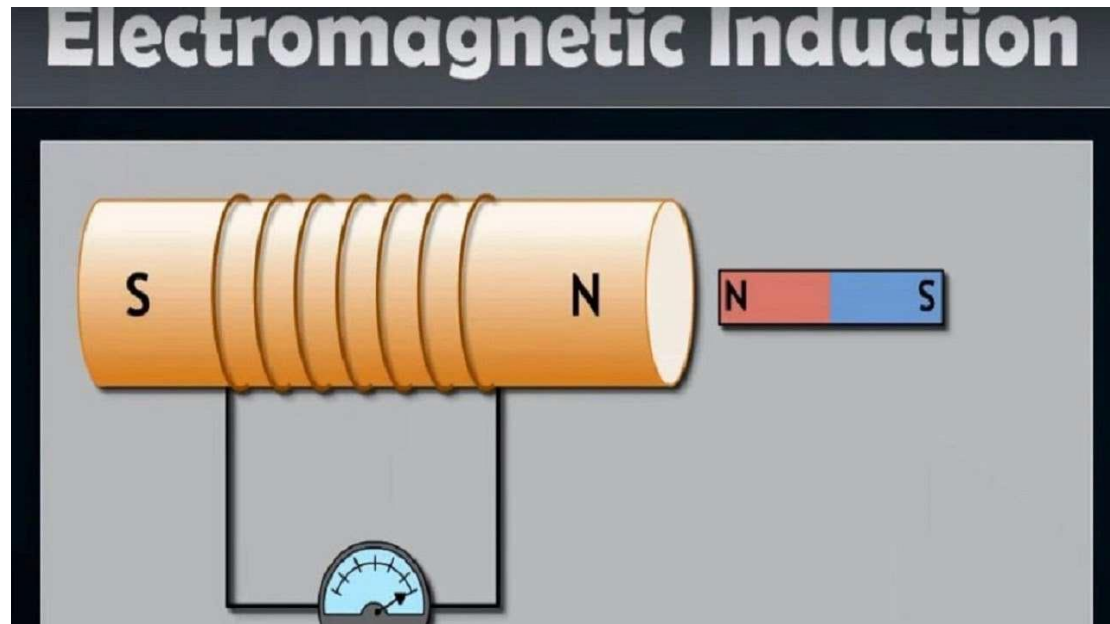


Question 1

A college student designed and constructed an electric generator in his physics class to investigate cause and effect connections about magnetism and electricity.

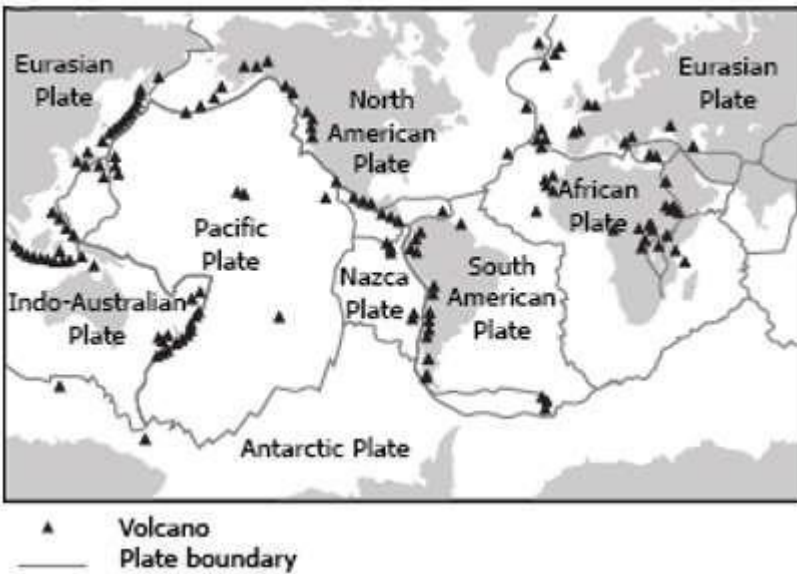


When he first tested this generator, it only produced 50 amps. However, his goal was for this generator to induce 100 amps. What is one action that he could do to make this happen?

- A** | add a light bulb
- B** | add an iron core
- C** | move the magnet faster between the coils
- D** | use an electromagnet

Question 2

The map shows the global distribution of volcanoes.



A scientist claims that the majority of the volcanoes on Earth occur on plate boundaries. How can this claim be further supported?

A

The majority of volcanoes occur on plate boundaries between oceanic plates and continental plates where subduction occurs.

B

The majority of volcanoes occur on plate boundaries between two oceanic plates where hot spot formation occurs.

C

The majority of volcanoes occur on plate boundaries between two continental plates where upliftment occurs.

D

The majority of volcanoes occur on plate boundaries between oceanic plates and continental plates where shearing occurs.

Answer Key

Standard	Question	Answer
8.PS2.1	1	C
8.ESS3.2	2	A