

Electric Motors

Answers

1. Compare the motors in Figure 7 and Figure 10. The simple model motor has two poles. How many poles does the hybrid motor have?

The hybrid motor has 18 poles.

2. What are the advantages of electric power for the aircraft in Figure 3?

There are many, including lower fuel load, smaller and lighter engines, quiet running and lower cost.

3. For an electric car to have zero emissions of CO₂, the battery needs to be charged from what kind of energy?

The electricity would have to come from a renewable source, such as solar, hydro or wind power.

[Return to Electric Motors](#)