Questions

1 If an electric motor is switched on, which component makes the turning (rotating) motion?

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2 Describe how the rotating motion of an electric motor is created.

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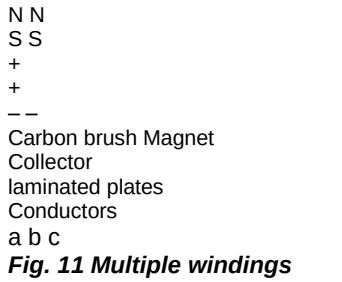

Fig. 11 Multiple windings

3 What is the function of a collector in an electric motor?

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4 What material can be used to make a collector? Explain your answer.

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5 The wire winding in Figure 12 is pushed to the **right / left**.
Explain your answer.

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6 The winding in Figure 13 rotates to the **right / left**. Explain your answer.

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7 What is the function of carbon brushes in an electric motor?

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Fig. 12

Fig. 13
Starter Systems

8 Why are carbon brushes in starters made of a mixture of copper and carbon?

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9 When an electric motor is switched on it runs smoothly. How is this accomplished?

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