

Science 9
Unit D: Electrical Principles and Technologies
Lesson 12
Practice Worksheet 48: Motors

Complete the following questions as you work through the readings and videos in Unit D Lesson 12

Question 1

List five basic parts of an electric motor.

- 1.
 - 2.
 - 3.
 - 4.
 - 5.
-
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Question 2

What type of energy does a motor use? What type of energy does a motor produce?

Question 3

In the table, describe the function of each part in the St. Louis motor.

Motor Part	Function
Permanent magnets	
Commutator	
Brushes	
Armature	
Power input/output	

Question 4

What is the difference between AC (alternating) and DC (direct) current?

Question 5

What are transformers and why are they useful?

Congratulations! You have completed this practice worksheet.

Now it's time to carefully compare your answers to the suggested answers in the online course. When comparing, you should feel free to make changes to your answers or make extra notes.

Keep this practice worksheet for study purposes. Using practice worksheets as a study tool to review for exams is a great idea.

If you unsure about any of the questions or answers, or you just want more feedback, share this practice worksheet with your teacher and ask for assistance. You can do that by emailing the teacher, or by submitting it in the Course Questions Forum in the online course. If you are using this practice worksheet in Google Drive, don't forget to change the sharing settings so that anyone can view it before sending the link to your teacher.
