

# Fluid Power Challenge Post-Test & Student Feedback



To better understand your current knowledge of fluid power and your experience at the Challenge, please answer the following questions to the best of your ability.

This is not a team exercise so please complete this on your own. **Do not put your name on this form.**

Thank you for your participation and comments.

1. The Fluid Power Challenge was

1	2	3	4	5
Dull		OK		Exciting

2. The best thing about the Challenge was

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3. I would recommend the Challenge to any student I know.      Yes      No

4. How familiar are you with fluid power?

1	2	3	4	5
Not at all		somewhat		Very

5. How familiar are you with careers in fluid power?

1	2	3	4	5
Not at all		somewhat		Very

6. List four advantages of fluid power.

- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_
- d. \_\_\_\_\_

7. Hydraulic fluid power systems transfer energy through what medium?

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8. Pneumatic fluid power systems transfer energy through what medium?

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9. List four examples of a hydraulic fluid power system.

- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_
- d. \_\_\_\_\_

10. List four examples of a pneumatic fluid power system.

- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_
- d. \_\_\_\_\_

11. Viscosity is the measure of?

\_\_\_\_\_

12. Which of these two is more viscous at room temperature?

Water                  Liquid honey

13. Volume of a cylinder is calculated by what formula?

\_\_\_\_\_

14. Pressure is calculated by multiplying what two variables?

- a. \_\_\_\_\_
- b. \_\_\_\_\_

15. What is Mechanical Advantage?

\_\_\_\_\_

16. I am interested in a career in fluid power.                  Yes                  No

Why or why not? \_\_\_\_\_  
\_\_\_\_\_

17. Comments including suggestions for improving the Challenge:

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\_\_\_\_\_  
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