Brain HYDRAULICS

| Date: | |
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| Name: | N |
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| ,1 | In the movie, Tim gives both a general and specific definition for the term "hydraulics." Which of these examples falls under Tim's specific definition? |
| A | Water clock |
| В | Canal |
| C | Water well |
| D | Forklift |
| 2 | What can you infer about why hydraulic fluid is usually mad of oil instead of water? |
| A | Oil is cheaper than water |
| В | Oil can be reused as fuel after the hydraulic machinery wears out |
| C | Water evaporates too easily under high pressure and temperature |
| D | Water reduces the temperature inside cylinders too much |
| 3 | Which of the following best describes the role played by hydraulic fluid in a hydraulic machine? |
| A | A source of fuel |
| B | A medium for the transfer of force |
| C | A coolant |
| D | A cleaning agent |
| 4 | What is the greatest benefit of the use of hydraulics in machinery? |
| A | The multiplication of speed |
| В | The multiplication of operating time |
| C | The multiplication of fuel efficiency |
| D | The multiplication of force |
| 5 | Why would this hydraulic system not be found in an actual hydraulic machine? |
| A | There isn't enough hydraulic fluid |
| В | The tube should be open on one end |
| C | The nictors shouldn't be identical in size |

There should be more than two pistons

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The force will be transferred to the longest cylinder