

Animation Worksheet: Water Pump Operation

Name: _____ Date: _____

1. A vehicle's water pump is a vital component of the _____ system.
2. Its main job is to circulate _____ through the engine and radiator.
3. By moving fluid throughout the system, the water pump helps maintain a safe _____.
4. Most water pumps are _____ by a serpentine belt, timing belt, or chain.
5. While most pumps are mechanical, some modern versions of water pumps are _____.
6. The water pump _____ spins to pull coolant from the radiator into the center of the pump.
7. The spinning action of the impeller creates _____ force to move the liquid.
8. After being pulled into the pump, the impeller flings the coolant outward into passages in the _____.
9. As the coolant circulates, it _____ from the engine.
10. If the engine is hot enough, the _____ opens to send the warm coolant back to the radiator to be cooled.