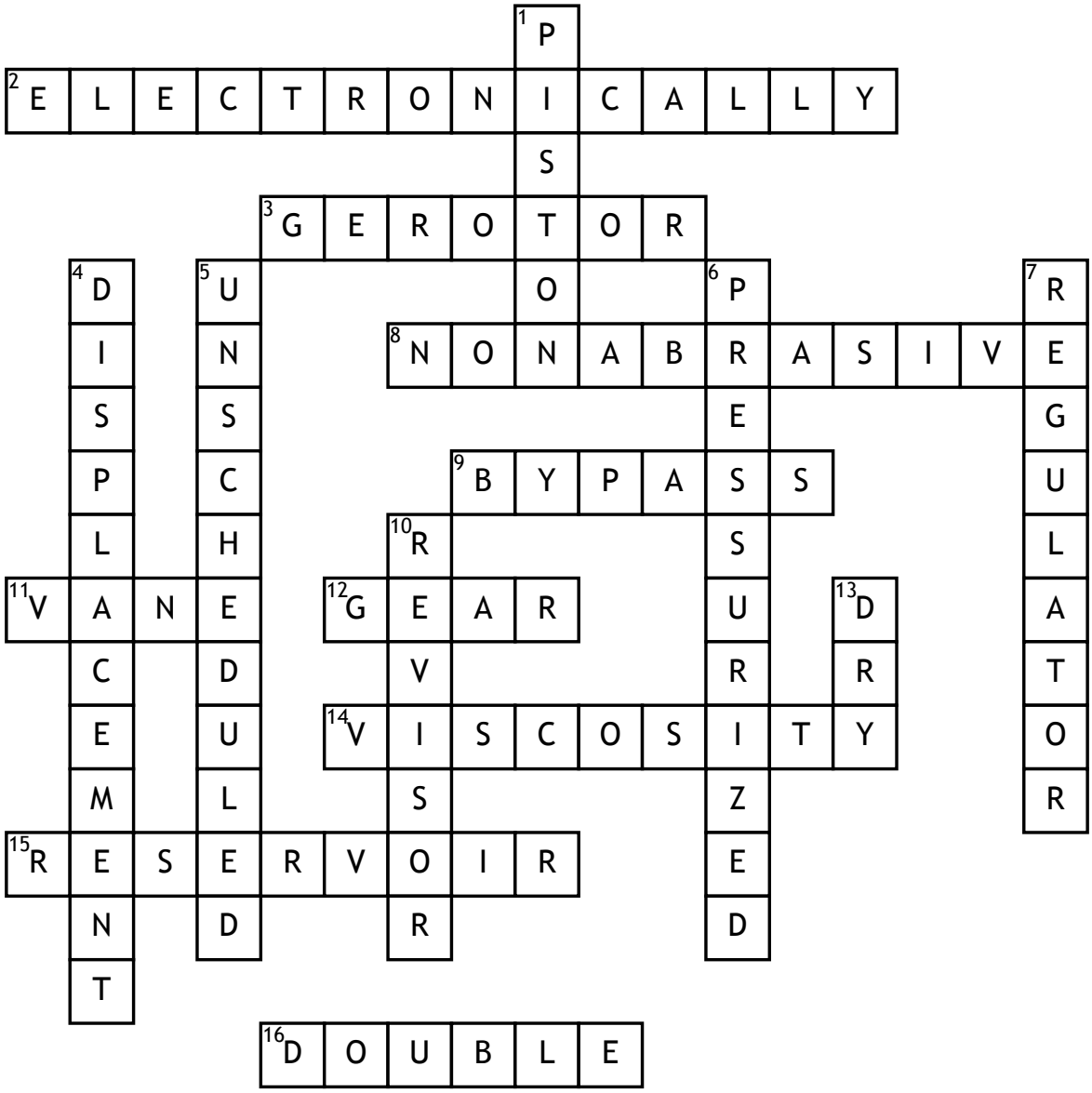
Name: _____ Date: _____

Hydraulic 1



Across

2. How a modern aircraft senses pilot input to flight control servos

3. A constant-displacement pump containing an eccentric-shaped stationary liner, an internal gear rotor having seven wide teeth of short height, a spur driving gear having six narrow teeth

8. A general hydraulic fluid contaminant resulting from oil oxidation, soft particles and or organic components.

9. This allows a clogged filter to redirect fluid when pressure increases

11. A constant-displacement pump that consists of a housing containing four blades, a hollow steel rotor with slots for the blades, and a coupling to turn the rotor

12. A constant-displacement pump that consists of two meshed gears that revolve in a housing

14. Considered to be very important property of hydraulic fluid is internal resistance to flow.

15. A container used to hold fluid required plus a reserve to supply a system

16. The type of action a hand pump provides when fluid is produced with every stoke of the handle

Down

1. These pumps can be constant-displacement or variable displacement pumps and are fitted to bores in a cylinder block connected through shoes and a retracting ring so that the shoes bear against an angled swash plate.

4. These pumps are classified as positive and non-positive

5. When hydraulic fluid should be analyzed, and samples taken

6. What is required for systems supply containers when aircraft are intending to fly at high altitude

7. What is required for a constant delivery pump to control pressure

10. Where you would take a hydraulic sample from to check for contamination

13. A type of cleaning solvent used to wash hydraulic components