Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Science Date: \_\_\_\_\_\_\_\_\_\_\_\_\_

CCU 6

1. **Fill in the missing definitions. Use the glossary.**
2. Force—a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_\_ necessary for \_\_\_\_\_\_\_\_\_\_
3. Gravity—the force of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that exists between any pair of \_\_\_\_\_\_\_\_\_\_\_\_\_
4. Matter—anything that takes up \_\_\_\_\_\_\_\_\_\_\_\_\_ and has \_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_
5. Contact force—the force that occurs when one object \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ against another
6. Friction—the force that resists\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. Lodestone—a piece of naturally \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ iron \_\_\_\_\_\_\_\_\_
8. Work—the result of a \_\_\_\_\_\_\_\_\_\_\_\_ moving an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. Energy—the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ to do \_\_\_\_\_\_\_\_\_\_\_\_
10. Chemical energy—a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ form of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy stored in the bonds that hold \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ compounds together; released as \_\_\_\_\_\_\_\_\_ energy and \_\_\_\_\_\_\_\_\_\_\_\_ energy through burning
11. Kinetic energy—energy of \_\_\_\_\_\_\_\_\_\_\_\_
12. Potential energy—\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy
13. Transfer of energy—occurs when \_\_\_\_\_\_ object gives some or all of its \_\_\_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_ object.
14. Engine— a device that converts \_\_\_\_\_\_\_\_\_\_\_\_\_\_ from a \_\_\_\_\_\_\_\_\_\_\_\_\_ source into \_\_\_\_\_\_\_\_\_\_\_\_\_\_ work
15. Condenser—a device that converts \_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_
16. Combustion—\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
17. Fluid—a substance that can \_\_\_\_\_\_\_\_\_ from one place to another, such as \_\_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_
18. Cylinder—of an \_\_\_\_\_\_\_\_\_\_\_\_\_, a hollow, \_\_\_\_\_\_\_\_\_\_\_\_\_\_-\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ compartment in which a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ moves back and forth
19. Piston—A \_\_\_\_\_\_\_\_\_\_ that moves back and forth inside a \_\_\_\_\_\_\_\_\_\_\_\_\_ cylinder.
20. Octane number—a number indicating the \_\_\_\_\_\_\_-\_\_\_\_\_\_\_\_\_\_ quality of a \_\_\_\_\_\_\_\_\_\_\_\_
21. Turbine—a \_\_\_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ blades that spins a \_\_\_\_\_\_\_\_\_\_\_\_ shaft; changes the \_\_\_\_\_\_\_\_\_\_\_\_ exerted by things such as \_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ gases into \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ movement.
22. Turbofan—a \_\_\_\_\_\_\_ engine with a large \_\_\_\_\_\_\_\_ at the very front.
23. Turboprop—a \_\_\_\_\_\_\_ engine used to power a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
24. Ramjet—a jet \_\_\_\_\_\_\_\_\_\_\_ that can function only at \_\_\_\_\_\_\_\_ speeds because it has no \_\_\_\_\_\_\_\_\_\_\_\_\_
25. Missile—a guided military \_\_\_\_\_\_\_\_\_\_\_\_\_\_
26. Payload—the \_\_\_\_\_\_\_\_\_\_\_ that is carried in the \_\_\_\_\_\_\_\_\_ of a rocket
27. **Answer the questions in part B.**

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8 .\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. \_\_\_\_\_\_\_\_\_\_\_

10. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12.\_\_\_\_\_\_\_\_\_\_\_\_\_\_

13. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

14. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

15. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

16. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

17. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

18. \_\_\_\_\_\_\_\_\_\_\_\_\_\_-fuel rockets 19. \_\_\_\_\_\_\_\_\_\_\_\_\_\_-fuel rockets