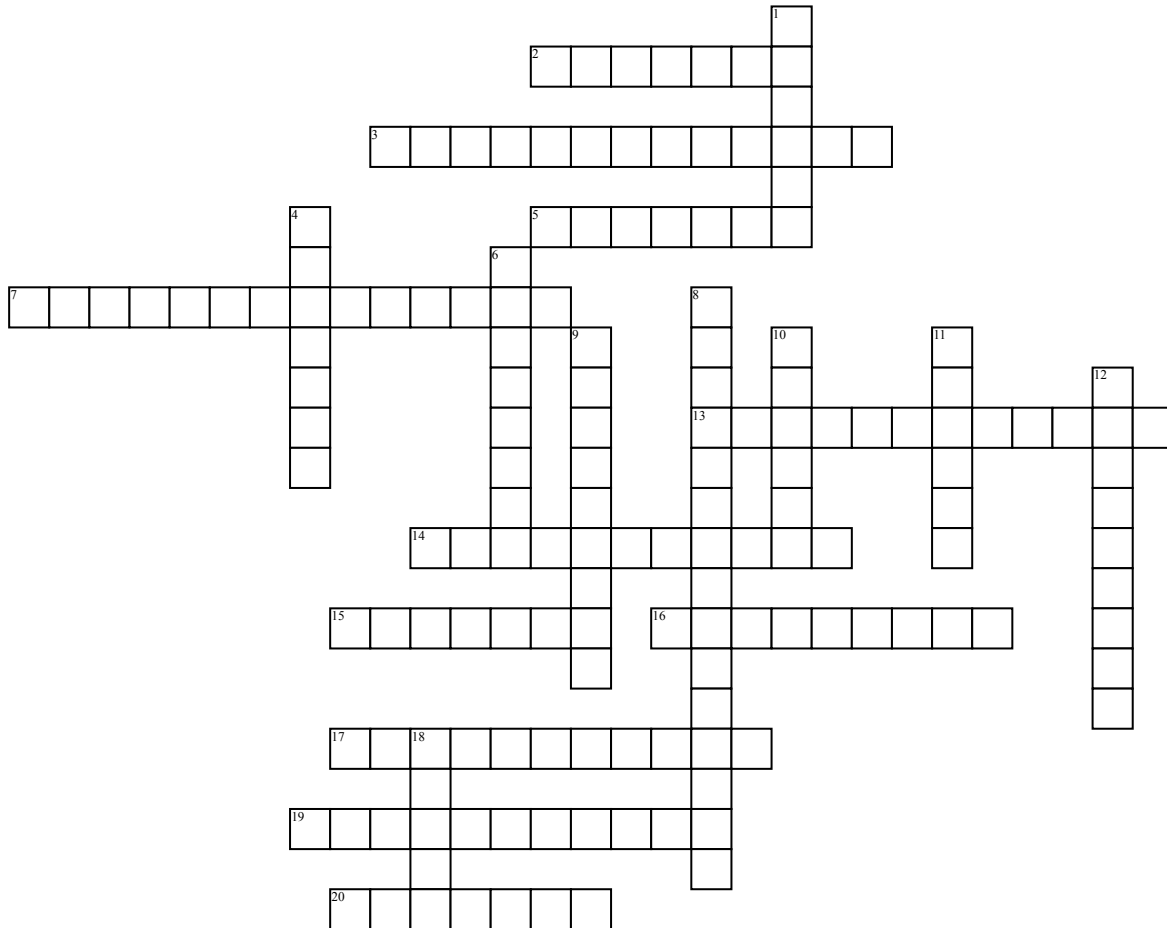


Name: _____

PHYSICS 2 HONORS SEMESTER 2 PROJECT



Across

2. Coulomb's law is also called a _____ square law

3. When two waves interfere with each other, this principle dictates what the wave will look like

5. The unit for current is

7. A material or object that has 0 resistance

13. The average change in velocity is called

14. The average kinetic energy of molecules is known as

15. In an _____ collision, kinetic energy is conserved

16. The distance from an equilibrium point on a wave to either a crest or trough

17. This fictitious force pulls objects that are rotating inwards

19. At this frequency, exactly one standing wave occurs

20. The study of matter and energy and their relationship in space and time

Down

1. In a _____ circuit, there is only one path for current to flow through

4. This form of energy can be expressed as $\frac{1}{2}mv^2$

6. This quantity is expressed as p

8. Rather than hearing linearly, the human ear hears tones

9. The number of cycles per second, its unit is Hertz.

10. An object with magnitude and direction

11. Capacitance is measured in

12. This form of energy can be expressed as mgh

18. These are known as "quiet spots" along a wave front