

Name: _____

HW Spring Final Review 1

A-day: Due Thurs., 5/17 (Assig: 5/15)

Period: _____

**Mr. Murray, IPC
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B-day: Due Fri., 5/18 (Assig: 5/16)

1. *In your book find where it has Kelvin and Celsius scales.*
 - A) In degrees Celsius, water freezes at ____ and boils at ____.
 - B) In degrees Kelvin, water freezes at ____ and boils at ____.
 - C) In Fahrenheit, water freezes at ____ and boils at ____.

5. A 5 kg ball is rolling at 6 m/s. Find its momentum.

Variables Equation Solve:

2. What is absolute zero?

6. A 20 N force pulls on a 4 kg box. What acceleration does the box have?

Variables Equation Solve:

3. 100° C is how many degrees Kelvin?

4. A 4 kg object is moving at 2 m/s. Find its kinetic energy.

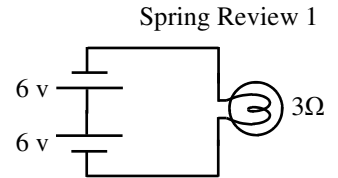
Variables Equation Solve:

7. A rocket is flying in the air. What kind of energy or energies does it have?

8. What is electricity?

9. How is a conductor different than an insulator?

15. Calculate the current in the circuit shown.



10. What is voltage?

11. What is current?

16. A person pushes on cart with 10 N for 6 meters.

A) Calculate the work the person did.

Variables Equation Solve:

12. What is resistance?

B) If they pushed on the cart for 3 seconds, how much power did they use?

Variables Equation Solve:

13. Which has more resistance: a conductor or insulator?

14. Which hold on to its electrons more: conductors or insulators?
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