

QUIZ / Current Draw

NAME

DATE

CLASS PERIOD

Put a check ✓ in the ☐ next to the correct answer.

1. What is current?
☐ Movement of volts ☐ Flow of electrons ☐ Splitting of electrons.
2. What will happen if a 12 volt battery is used on a 6 volt motor?
☐ Destroy the motor ☐ Make the motor run very slow ☐ The motor will not run
3. What will happen to the current draw on the motor if the incline was increased from 5° to 30 ° ?
☐ Remain the same ☐ Decrease ☐ Increase.
4. What symbol setting should the multimeter be on to measure current?
☐ \bar{A} ☐ \bar{I} ☐ \bar{V}
5. How should the multimeter be connected to the robot battery?
☐ Parallel ☐ At an angle ☐ Series
6. The amount of work performed is directly related to.
☐ Voltage ☐ Current ☐ Friction
7. 1.26 amps = how many milliamps?
☐ 126 mA ☐ .126 mA ☐ 1,260 mA
8. What will happen to the battery when the robot starts climbing a steeper incline?
☐ Current reading will stay the same
☐ Current reading will increase
☐ Current reading will decrease
9. What will happen to the current reading when the drive gear is much larger than the driven gear?
☐ Current reading will stay the same
☐ Current reading will increase
☐ Current reading will decrease
10. What will happen to the current reading when the wheels are much larger?
☐ Current reading will stay the same
☐ Current reading will increase
☐ Current reading will decrease