

Magnet Levitation Evaluation:

Name: _____

Period : _____

FILL IN YOUR POINTS AND TOTAL!

Mechanics – 16 pts

16 pts = goes all the way down the track self propelled

15 pts = wired, works, but doesn't move

12 pts = built but not tested

0 pts = nothing built to completion

Speed – 4 pts

4 pts – less than 4.00

2 pts – 4.01- 5 seconds

1 pts – 6 or more seconds

Total = Mechanics grade + Speed Grade

= _____ /20 points

Quiz –

1. Magnetic levitation involves using 2 magnets that
a) attract b) repel c) magnetize d) none
2. Structure, Propulsion, Guidance, Control and _____ are 5 subsystems of transportation.
a. Torque b. Levitation c. Suspension d. Voltage
3. The power supply box is an example of which sub-system?
a) Control b) Suspension c) Guidance
4. The project motors for our mag levitation vehicles use
a. DC (Direct Current) electricity b) AC (Alternating Current) electricity
5. The direction electrons flow in direct current is called
a. magnetic charge b. polar north c. polarity d. polar lunar

Quiz score: _____ / 5 points

Total Score of Magnetic Levitation Project: Mag Lev result + Quiz = ____/25 points