

Magnetic Levitation Worksheet

1. Briefly describe how a MagLev train levitates.

2. Why can MagLev trains go faster than traditional trains?

3. Draw a free body diagram of the all the forces acting on MagLev train.

4. Explain how superconductors allow a MagLev train to levitate. (hint: a certain effect)

5. Draw the Magnetic Fields for the following magnets:

