

Station H—Magnetism

1. Place two horseshoe magnets together with their opposite poles connected. Slowly pull on the attached spring scales, pulling the magnets in opposite directions.

How much force, in newtons (N), is needed to separate the two magnets? _____

2. Join the magnets again and apply a force just short of the magnets separating. Draw a diagram in the space below of the magnets in this position. Identify, using arrows (vectors), the direction of each of the forces acting on the object(s).