

Unit 3 - Causes of Motion

Exercise 1a - Representing Forces (Objects at Rest)

1. A Jack O' Lantern is sitting on a front porch.



Sketch a system schema:

Sketch a force diagram:

Sketch a FAD:

2. A chandelier is hanging from a chain attached to a ceiling.



Sketch a system schema:

Sketch a force diagram:

Sketch a FAD:

3. A refrigerator is pushed to the left but does not move.



Sketch a system schema:

Sketch a force diagram:

Sketch a FAD:

4. A cork is floating in a cup of water.

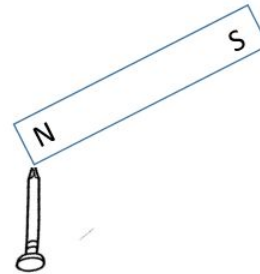


Sketch a system schema:

Sketch a force diagram:

Sketch a FAD:

5. A nail is held up by a magnet.



Sketch a system schema:

Sketch a force diagram:

Sketch a FAD: