

Types of motion

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1. Match each type of motion with its definition.

Type of motion	Definition
a) Translational motion	1. Motion made by a part of an object as it moves along an axis while turning about that axis
b) Rotational motion	2. Motion made by a part of an object moving in a straight line
c) Helical motion	3. Motion made by a part of an object turning on an axis

2. Identify the type of motion described in each example.

a) Motion of a screw entering wood

b) Motion of a dresser drawer being opened

c) Motion of a doorknob

d) Motion of a corkscrew entering a cork

e) Motion of a train on tracks

f) Motion of blades of a fan

3. Identify each type of motion indicated by arrows in the drawing.

