

## GLOSSARY

### A

**acceleration** the rate of change of velocity (48)

**average velocity** total displacement divided by the time interval during which the displacement occurred (43)

### D

**displacement** the change in position of an object (41)

### F

**frame of reference** a coordinate system for specifying the precise location of objects in space (40)

**free fall** the motion of an object falling with a constant acceleration (60)

### I

**instantaneous velocity** the velocity of an object at some instant (or specific point in its path) (46)