

Week 9 Answers

# Worksheet 3.1A

## Going to the Moon

1 ✓

2 ✗

3 ✗

4 ✓

5 ✗

2 a thermal

b chemical

c elastic

d kinetic

|00L

# Worksheet 3.6A

## Getting faster

- 1 When Marcus lifts the toy car up onto the ramp, he gives the car gravitational potential energy.
- 2 As the car goes down the ramp, gravitational potential energy gets changed to kinetic energy.
- 3 When the car gets to the bottom of the ramp, the car has the most kinetic energy.
- 4 There will be more gravitational potential energy, so there will be more kinetic energy.

# Worksheet 3.4B

## What are tidal forces?

- 1
  - a The Sun and the Moon.
  - b Causing the depth of the sea/oceans to change/to increase and decrease.  
Causing the height of the land above sea level to change.
  - c Yes; because the Earth will exert a force of gravity on the rocks of the Moon.

INTERNATIONAL SCHOOL