

## Activity 6C How Will the Balls Fall? p.53



### Skills:

Learn to predict the possible results of a scientific activity, do practical work safely, check results to see if they confirm a prediction, do research to find the answer to a question

### Materials:

Basketball      Tennis Ball



### Method

- 1 Work in a group.
- 2 Hold the balls at the same height.
- 3 Predict the order in which the balls will hit the ground when both balls are dropped at the same time. Circle your prediction.

The basketball will hit the floor before the tennis ball does.

The tennis ball will hit the floor before the basketball does.

Both balls will hit the floor at about the same time.

- 4 Drop the balls from the same height at the same time. Do not push the balls down. Make sure there is nobody standing too close to where the balls will land.
- 5 In what order did the balls hit the ground?

Both balls will hit the floor at the same time.

- 6 Do the results support your prediction?  
Yes (if the result supports your prediction)  
No (if the result doesn't support your prediction)
- 7 Name the force acting on the balls.

Gravity