

Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

- 1 Read the story carefully and mark each place where it mentions something with balanced or unbalanced forces on it. Mark the first place with a ①, the second with a ②, and so on.
- 2 Write a list of the numbers in your book or on a separate sheet of paper. For each one, write down what the forces are and whether they are balanced or unbalanced. If they are unbalanced, write down which one is the biggest and how you worked out your answer.

**Our trip to America, May 1810**

It was getting quite late by the time we reached the harbour. For the first part of the journey the roads were wet and slippery and several times the coach almost slowed to a halt as the wheels got bogged down in muddy ruts. On one occasion we even had to get out to push and the horses strained to pick up speed again afterwards.

Once we were on a better road they kept up a steady pace and we made better time. The driver reined in the horses and applied the brakes as we drew to a stop by the harbour wall.



There was a small boat waiting to take us and our luggage out to the ship. Some men were already loading some barrels of water. One of the barrels came out of its sling and fell – luckily the men below just managed to push the boat away from the wall and the barrel splashed harmlessly into the water. It only just floated, but they managed to get a rope around it and load it into the boat. They were a bit more careful after that, and got us and our boxes down safely.

There was a stiff wind blowing from the land, which helped the rowers pick up speed, and we were soon at the clipper that was to take us across the ocean. We climbed a ladder up the side of the ship and our boxes were hauled up by rope. We were the last to arrive, and as soon as the boat had set off for the shore again the captain ordered the sails to be set and the ship began to move majestically out into the bay.

**I can...**

- explain what balanced and unbalanced forces can do to the movement of an object.