

**Q1.**

Some forces act at a distance.

One example is the gravitational attraction between the Moon and the Earth.

Describe an example of another type of force acting at a distance, where the force is **not** gravitational.

(2)

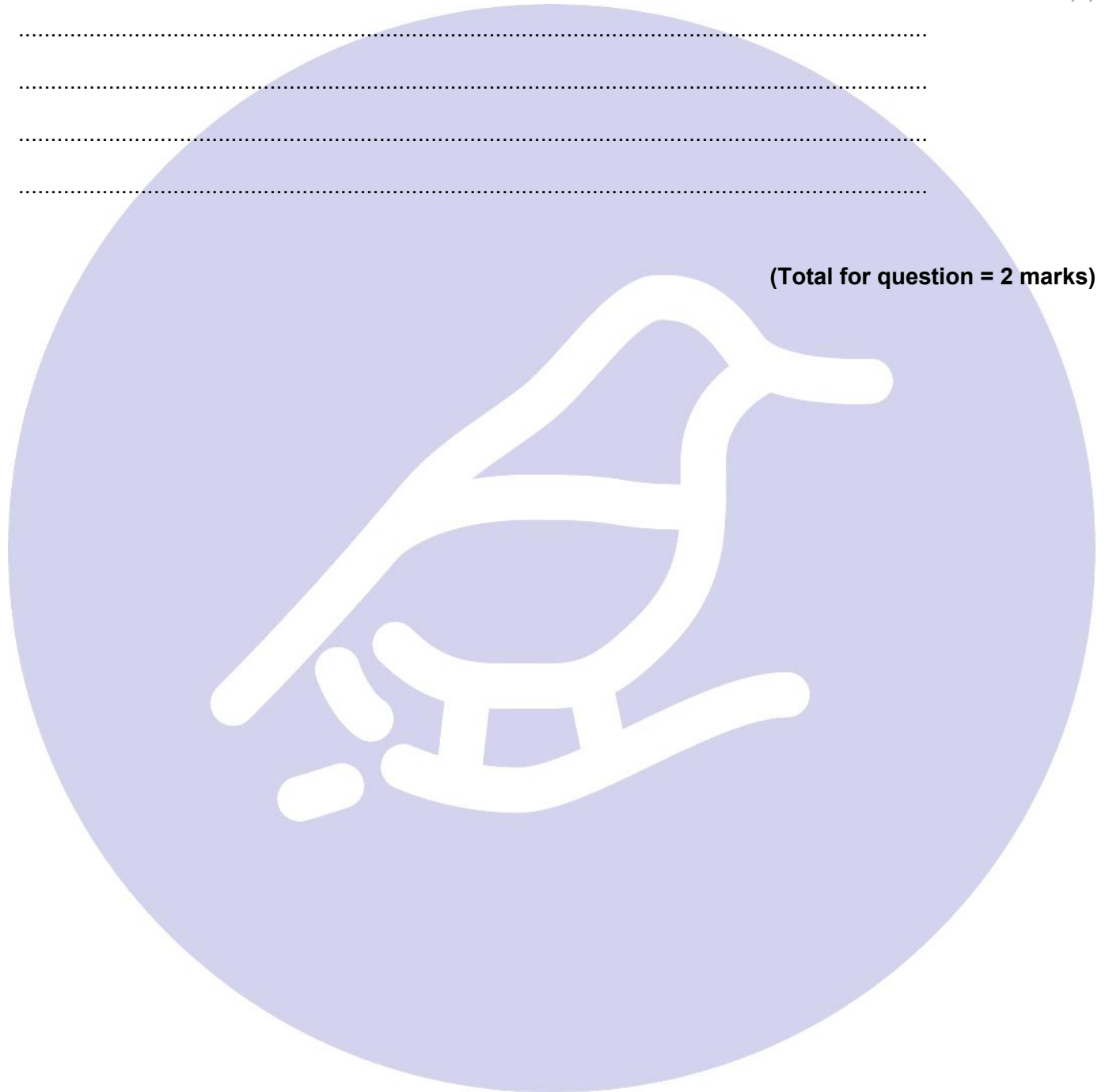
.....

.....

.....

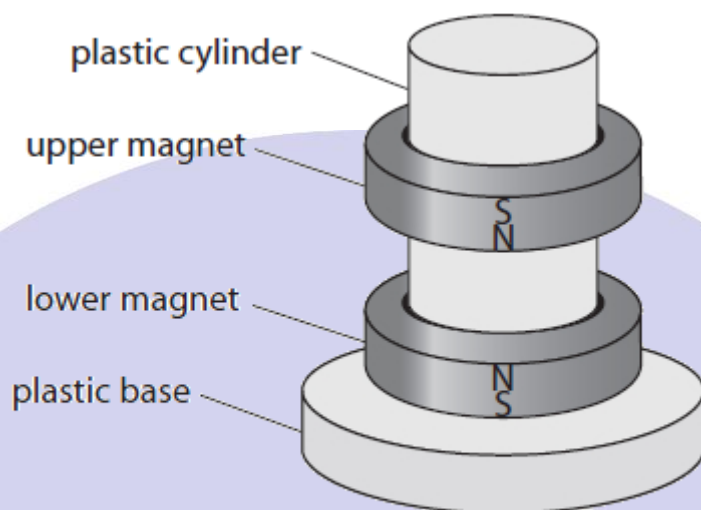
.....

**(Total for question = 2 marks)**



**Q2.**

Figure 9 shows a toy that has a plastic cylinder, a plastic base and two similar magnets. Each of the two magnets is in the shape of a ring.



**Figure 9**

The upper magnet seems to float in the air above the lower magnet.

Describe the forces acting on the upper magnet.

Use the idea of magnetic fields in your answer.

(3)

.....

.....

.....

.....

.....

.....

**(Total for question = 3 marks)**