# *The expansion of the universe* Video question sheet

1. If we are ‘just an advanced breed of monkey’ … according to Stephen Hawking, what makes us ‘very special’?

2. What is the clue above our heads to the past, the present and the future of the universe?

3. Describe the change in sound of the car as it passes by at high speed.

4. What is the equivalent in light colours to:

a) an increase in pitch? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) a decrease in pitch? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) Why is this?

5. What do all the distant galaxies in space have in common?

6. How is the expansion of the universe linked to the age of the universe?