

Module Assessment, Part 2



The chart below shows data for several stars.

Star	Apparent Magnitude	Absolute Magnitude	Distance from Earth in Light-Years
A	-26	4.8	0.00002
B	-1.5	1.4	8.7
C	0.7	-5.9	520
D	4	-0.6	45

- 6** Which star appears dimmest from Earth? Explain your answer.

- 7** If all the stars were the same distance away from you, which star would appear brightest? Explain your answer.

- 8** Which star is the Sun? Explain your answer.

Module Assessment, Part 3

**Materials:**

- 2–3 books
- 1 pc. cardboard (ramp)
- 1 toy car

- 9 Set up the books and cardboard to make a ramp for the toy car. Roll the car down the ramp. Then describe how the toy car moves. In your description, name the forces that allow you to play with this toy.

- 10 Imagine you are in orbit around Earth on board the space shuttle. How would playing with the ramp and toy car be different, and why?
