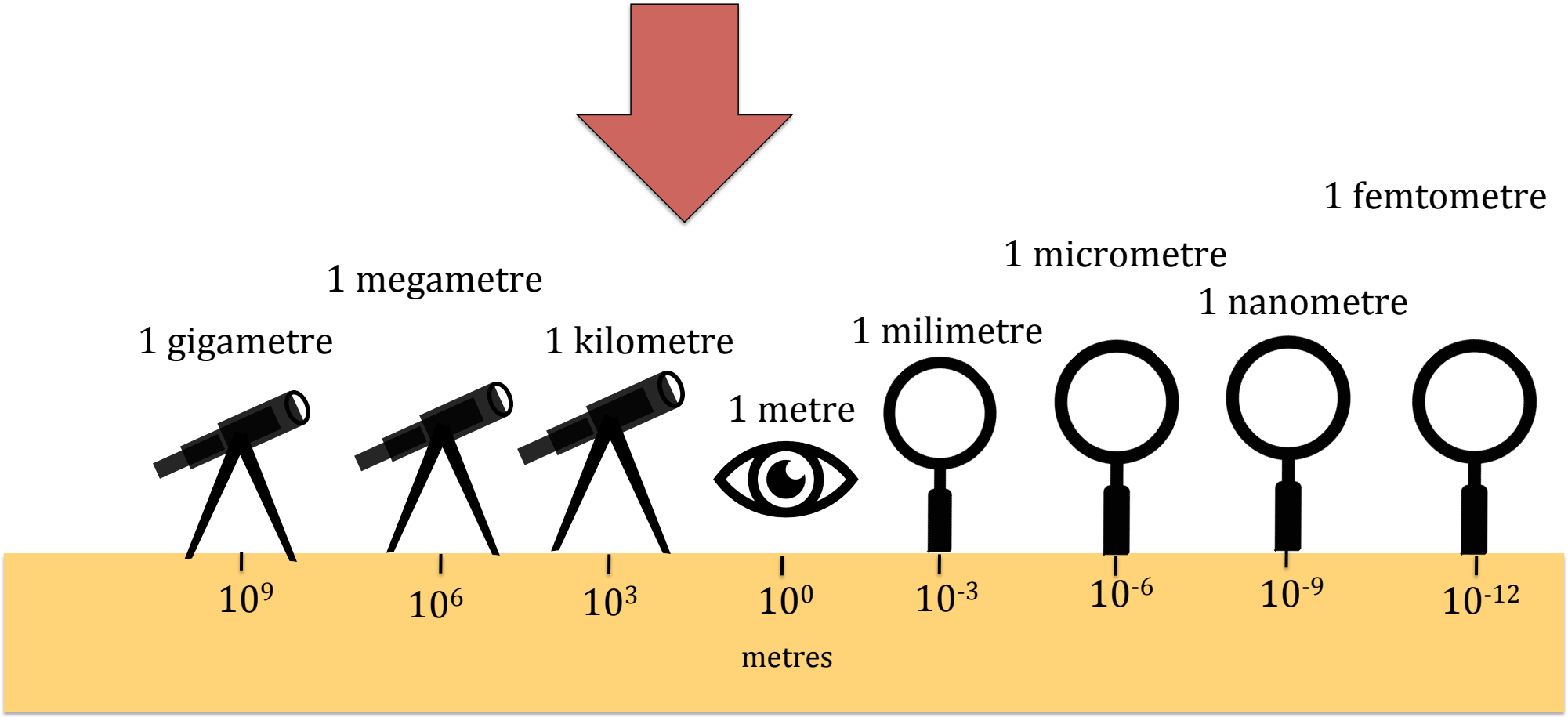
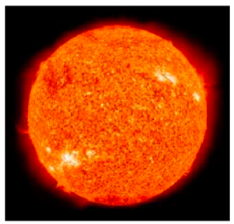
Topic	Working at different scales in science.	**Level**	Key Stage 3 (or any course for students aged 11-16)
Outcomes	1. Help students know what scale they are studying. 2. Use and understand standard form.		
Information for teachers	• Students find it hard to move between the molecular, microscopic and macroscopic. This should help. Print off slide 2 and cut out the arrow. Stick the scale to your classroom wall. You can position the arrow at the correct place for each lesson. This helps to orientate students so they understand what scale they are working at. You could instead just show the slide at the beginning of each lesson and ask a student to place the arrow in the correct location.		

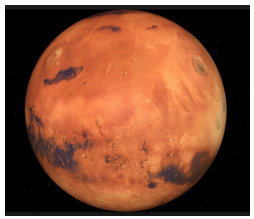
What scale are we talking about today?



Approximate reference points

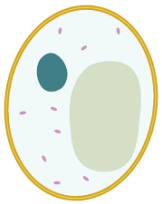


Diameter of the Sun

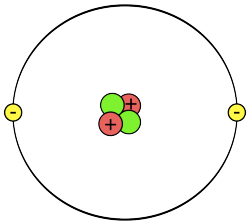


Diameter of Mars

Fruit Fly



Cell



Atom

Nucleus