

Science

Bringing it to Life Questions

What do you notice?

Use equipment to aid observations in order to group and classify similar things. Link form to function and notice observations that change over time and geographically.

What do you see/hear/smell/taste/feel?

What features and/or properties are the same or different?

How do these features and/or properties change over time?

How do these features and/or properties change in different places?

What do you notice?

What patterns and relationships can you see?

Consider the different time and geographical scales of dynamic and stable systems. How do the components within a system relate to each other and change over time?

How could you group or classify them?

What do these things have in common, either in the way they look or the way they behave?

What is happening?

How do the patterns and/or relationships change with time?

What patterns and relationships can you see?

What do you predict?

Predict the findings of an investigation or devise and justify predictions based on learning.

Explain what might happen if...

Explain how changing... might affect...

What do you think will happen next?

What do you think would happen if?

Scientists currently think... how does this relate to your idea?

What do you predict?

How can you test it?

Use a fair test to investigate cause and effect between variables.
This may be through modelling, simulations and/or investigations. Consider safety.

How might you test your predictions?

What (variable) will you change?

What (variable) will you measure and/or count and/or draw?

What (variable) will you keep the same to make a fair test?

What safety things do you have to think about?

How can you test it?

How can you review and communicate?

Use evidence to explain observations. Compare data with predictions. Suggest improvements in the methodology to answer your question or solve a problem. Understand the importance of measuring accurately. Use multimodal texts to communicate.

How can you represent your data and thinking in a way that you can share it with others?

What tools (list, table, graph, drawing) might you use to identify trends and share this information?

How can you compare the data you obtained with your predictions?

How fair was your test/investigation?

How could you improve it?

What would you do differently?

How can you review and communicate?

So what? What next?

Identify how scientific understandings, discoveries and inventions are used to solve problems that directly affect people's lives. Explain how science knowledge and understanding can inform personal and community decisions.

Who might be interested in this? Why?

Which of your decisions might this understanding influence? How?

What science might help us understand this?

What else could you investigate?

So what? What next?