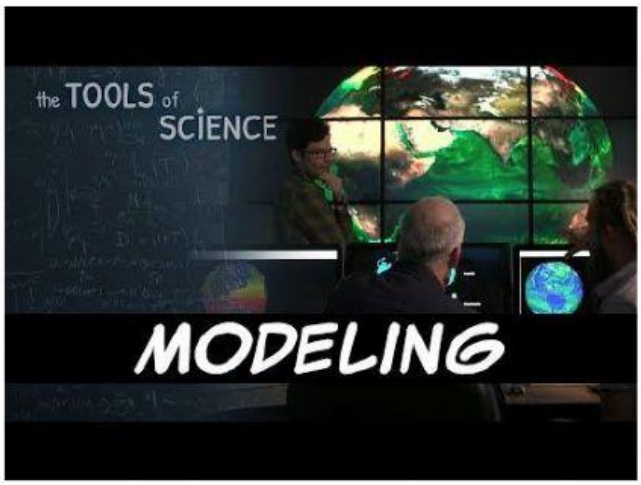
LIVE WORK SHEET

Scientific Models

Watch the Video!



According to the video, models can.....

1.
2.
3.

Choose the example that BEST matches each description.

Models can represent . . .	Example
objects that are too small to see	4.
objects that are too big to see	5.
objects that no longer exist	6.
objects that have not yet been invented	7.
events that occur too slowly to see	8.
events that occur too fast to see	9.
events that have yet to happen	10.

LIVEWORKSHEETS

Choose words from the list provided below to fill in the blanks.

PHYSICAL **ADVANTAGES** **CONCEPTUAL** **LIMITATIONS** **MATHEMATICAL**

SCIENTIFIC MODELS

representations of objects, systems or events used as tools for understanding the natural world

11.

- help people to visualize complex ideas
- can be used to make predictions
- quicker, cheaper and safer than using the real thing
- just the right size; can be used to represent things that a very big or very
- help build scientific knowledge; can be modified as new information is learned

12.

- LACK details and accuracy
- DON'T exactly match what they

TYPES

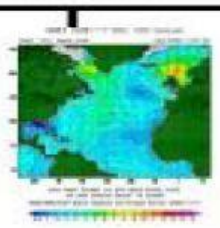
13.

a 3-D model that you can see and touch that shows how parts relate to one another



14.

a model made up of a mathematical equations and data; used to make predictions; often produced with computer software



15.

a model that helps to illustrate or explain an idea; makes comparisons with familiar things



LIVEWORKSHEETS