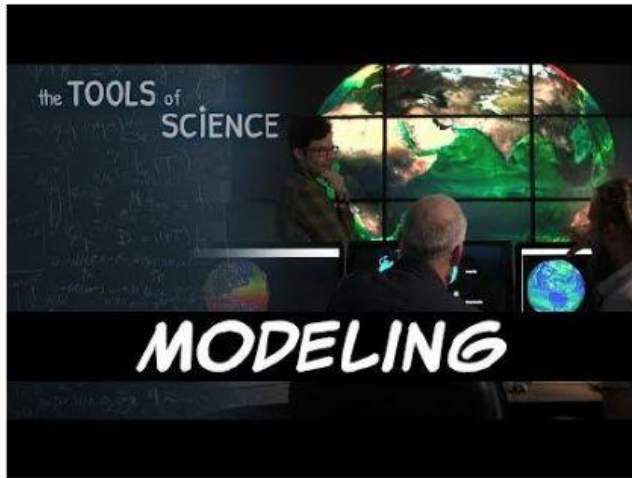


LIVE WORK SHEET

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.

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

PHYSICAL ADVANTAGES CONCEPTUAL LIMITATIONS MATHEMATICAL

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 are 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

SCIENTIFIC MODELS

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

TYPES

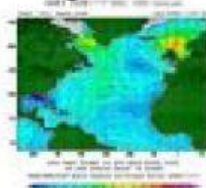
13.

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

