Name:	Date:	Section:

Model Evaluation Form

Models help us understand complex systems. Today you'll evaluate the model you used like a scientist would! Remember that all models have limitations. The goal is to understand how models can be useful tools for scientific understanding. This evaluation helps you practice key science skills and understand how models can change with new evidence.

NGSS Alignment:
- SEP: Developing and Using Models
- CCC: Systems and System Models
- Nature of Science: Models can change with new evidence
Model Name:
Model Location:

Part A: Understanding This Model (MAPP Framework)

1. How is the model shown? (MODE)

Check all the ways this model presents information:

- □ Pictures or diagrams
- ☐ 3D objects you can touch
- □ Symbols or equations

☐ Words or comparisons
☐ Flat (2D) representation
☐ Has depth (3D)
☐ Stays the same (static)
☐ Moves or changes (dynamic)
☐ On a computer/digital
☐ You can interact with it
Describe what you see/do:
2. How realistic is it? (ACCURACY)
What's RIGHT about this model? (List 2 things)
1.
0
2.
What's SIMPLIFIED or LEFT OUT? (List 2 things)
1.
2.
3. What's it for? (PURPOSE)
What does this model help you do? Check all that apply:
☐ Learn new concepts

	See how something works	
	Predict what will happen	
	Visualize things we can't see	
	Test ideas	
	Compare to familiar things	
	Show sizes or scales	
	Simulate real processes	
Main	ourpose:	_
4. Wi	this model change? (PERMANENCY)	
	stablished is this model in science?	
	established is this model in science?	
How 6	established is this model in science?	
How (established is this model in science? It's proven fact	
How	It's proven fact It's a strong theory with lots of evidence It's our current best explanation	
How	It's proven fact It's a strong theory with lots of evidence It's our current best explanation	
How (It's proven fact It's a strong theory with lots of evidence It's our current best explanation It's a new idea being tested	
How	It's proven fact It's a strong theory with lots of evidence It's our current best explanation It's a new idea being tested	

Part B: Thinking Deeper

5. Model Power & Limits	
This model is GREAT for showing:	
This model CAN'T show:	_
6. Make it Better! If you could improve this model, what would you change?	
Change #1:	
Why?	
Change #2:	
Why?	

Part C: Talk About It!

7. Team Discussion (10 minutes)
Get in groups of 3-4 students and discuss:
1. Did everyone classify the model the same way? What was different?
2. What's the coolest thing about this model?
3. What's the most frustrating thing about it?
Our group thinks the BEST thing about this model is:
Our group thinks the BIGGEST problem is:
8. Why Models Matter
Models are everywhere in science! With your group, discuss:
- Why don't scientists just study the real thing?
- Why might there be different models of the same thing?
- How do models change when we learn new things?
Write YOUR thoughts:

Part D: Connect & Share

9. Peer Review	
Trade papers with a partner and discuss your evaluations.	
Partner's name:	
Something cool they noticed that I missed:	
A question I have after hearing their ideas:	
Part E: Reflection	
10. Final Thoughts	
Complete this sentence:	
"Before today, I thought models were, but now I understand	