PhET’s Reflection Rubric

Classroom Preparation

| ☐ | Computers were ready for use. |
| ☐ | Student-to-computer ratio was effective. |
| ☐ | Arrangement of classroom supported student collaboration and teacher facilitation. |

Activity Sheet

| ☐ | Students understood activity sheet prompts and tables. |
| ☐ | Students were guided by the activity sheet, but not distracted away from sim exploration. |
| ☐ | Students used the activity sheet to record observations. |
| ☐ | Activity Sheet avoided procedural directions on how to use the sim. |

Pre- and Post-Assessment (Optional)

| ☐ | Students understood the questions and prompts. |
| ☐ | Teacher was informed by students’ responses. |

Reflections:

| ☐ | Students were allowed 3-10 minutes for free exploration of the sim. |
| ☐ | Fully explored the simulation. |
| ☐ | Began asking questions (to themselves or group) about the topic. |
| ☐ | Was engaged in observing student-sim interactions. |
| ☐ | Utilized student sim use and discoveries during facilitation. |

Reflections:

---

PhET Interactive Simulation materials are covered under the [Creative Commons - Attribution license](http://phet.colorado.edu)
During Sim Activity

☐ The activity aligned with the learning goals.

**Students:**
☐ Read learning objectives out loud.
☐ Discussed learning objectives.

**Student ideas:**
☐ Were solicited and valued.
☐ Generated classroom discussion.

**Students had:**
☐ Time for individual/group sim exploration and sense-making.
☐ Time for classroom synthesis discussions.
☐ Control of their own (or shared) computer.
☐ Opportunities to demonstrate and/or describe relevant sim findings.

**Students were encouraged to:**
☐ Share ideas with their partner/group.
☐ Answer their own questions through experimentation and partner/group discussion.
☐ Actively participate in group and class discussions.
☐ Construct arguments while communicating with their peers.
☐ Infer from evidence found during the sim use.
☐ Discuss the nature of science (e.g. use of models).
☐ Reflect on what they learned, and the learning process.

**Teacher:**
☐ Integrated checks for understanding to inform instruction.
☐ Utilized differentiation/extension opportunities effectively.
☐ Responded to suggestions and confusions appropriately and effective

**Reflections:**

**Areas for facilitation improvement:**
1)

2)

3)

**Standout student questions and ideas:**
1)

2)

3)