Waves and Light Interactions
Claim Evidence Reasoning

- For each of the CERs below, you will create a claim, evidence, reasoning to support your claim
- For your evidence you should ONLY be using information from the Light Stations and PhET Reflection and Refraction.
- You need to be specific of what you are referring to and describe/show it. Do not write “Station 1”. It is also obvious to me if you Googled something.
    - Example Evidence: In Station 1, we looked at lasers through a prism. When a laser was shown through a cubic prism, the light split in horizontal lines. When it was shown through a curved prism, the light curved based on the place it was shown through.
- You must have at least 3 pieces of specific evidence to support your CER and accompanying reasoning for each. NO PARAGRAPH REASONINGS ALL TOGETHER.
- **You will choose 2 out of 3 CERs.**

CER #1: Below you will see a picture of the Reflection Pool in Washington DC during the summer and then winter (when it is frozen). Why do the reflections look different in the summer and winter? Create a claim, use evidence from in-class activities and use your evidence to support your claim through your reasoning. You must use at least 3 pieces of evidence.

Claim:

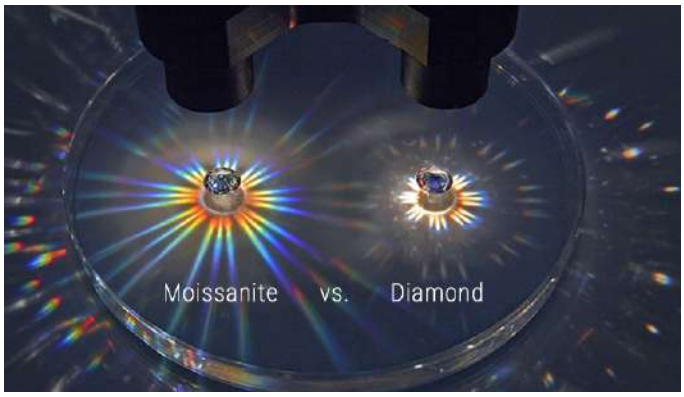
Evidence	Reasoning
1.	1.

CER #2:

Look at the gif above. Why do the arrows change direction when the water is poured in? Create a claim, use evidence from in-class activities and use your evidence to support your claim through your reasoning. You must use at least 3 pieces of evidence.

Claim:

Evidence	Reasoning
1.	1.



CER #3

Moissanite looks extremely similar to a diamond. As you can see in the images above the moissanite creates a different pattern of light than the diamond. Why does the moissanite create a different pattern of light than the diamond?

Create a claim, use evidence from in-class activities and use your evidence to support your claim through your reasoning. You must use at least 3 pieces of evidence.

Claim:

Evidence	Reasoning
1.	1.