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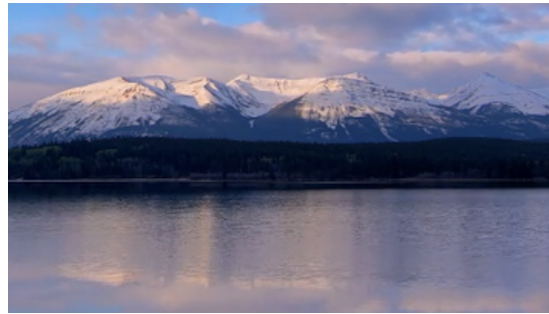
Explaining New Phenomena

Option A: The same lake on a calm or windy day

On a day that is very calm, you can see a full and clear reflection of the mountains in the lake.



On a day with a lot of wind, you cannot see a very good reflection of the mountains in the lake.



Option B: A gym floor before and after waxing the floor

Before waxing a gym floor, workers sand the floor and you cannot see any reflection.



After adding a new wax coat, you can see the reflection of the windows and lights.



Select **one** of the two options above and use the model from the *Walt Disney Concert Hall Case Study* reading to explain: **Why do we see different things when looking at the same object?**

In your explanation, include:

- What happens to light when it reaches the surface of the lake or gym floor in each scenario.
- Why we do we see or not see a clear reflection in each scenario?
