After watching the video segment, write down key points, main ideas, and big questions.

Objective(s):
- Understand the different types of friction and when each type acts.
- Calculate the frictional force acting on objects.

Notes:
During the video segment, use words, phrases, or drawings to take notes.

Summary:
After watching the video segment, write at least three sentences explaining what you learned. You may ask yourself: “If I was going to explain this to someone else, what would I say?”
Answer the following.

1. Define the force of friction in your own words.

2. When does static friction act between objects?

3. When does kinetic friction act between objects?

4. What are the two factors that affect the frictional force between objects?

5. What does the coefficient of friction between two objects indicate about how they move relative to one another?

6. Write the equation for the force of static friction:

   \[ F_s \leq \]

7. What does the “\( \leq \)” sign in the equation indicate about static friction?
Answer the following.

8. Write the equation for the force of kinetic friction:

\[ F_K = \]


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