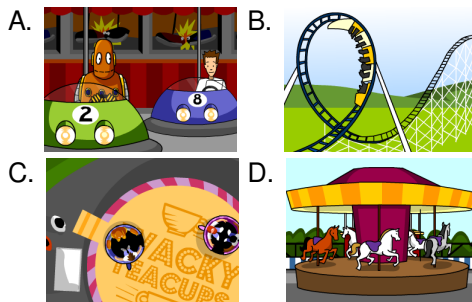


1. An inclined plane is an example of:

- A. A simple machine
- B. A complex machine
- C. An effort machine
- D. A time-saving machine

2. On what amusement park ride might you see an inclined plane?



3. Which of the following is a true statement?

- A. An inclined plane reduces the amount of work one needs to do
- B. An inclined plane increases the amount of work one needs to do
- C. An inclined plane makes work require more effort
- D. An inclined plane makes work require less effort

4. In physics, what is work?

- A. The effort exerted over a certain amount of time
- B. The force required to make an object accelerate
- C. The effort exerted over a certain distance
- D. The force required to make a moving object stop

5. Which Olympic event features an inclined plane?

- A. The 100-meter dash
- B. Swimming
- C. Ice skating
- D. Downhill skiing

6. Which of these activities would require the least effort?

- A. Walking up a short ramp with a steep incline
- B. Walking up a long ramp with a steep incline
- C. Walking up a long ramp with a slight incline
- D. Bypassing the ramp and jumping directly onto a platform



When you carry a heavy box up a ramp, instead of lifting it directly onto a platform:

- A. The amount of work you have to do increases slightly
- B. The amount of work you have to do decreases slightly
- C. The amount of work you have to do decreases significantly
- D. The amount of work you have to do stays the same

8. Which of the following devices makes use of an inclined plane?

- A. A can
- B. A funnel
- C. A bottle
- D. A bucket

9. Which of the following is an example of an inclined plane you might find in your house?

- A. The doorknob on your bedroom door
- B. The bed that you sleep in
- C. The blades of a fan used to cool your room
- D. The wheels on your desk chair

10. What is a plane?

- A. Another word for "ramp"
- B. Another word for "flat surface"
- C. Another word for "machine"
- D. Another word for "gravity"