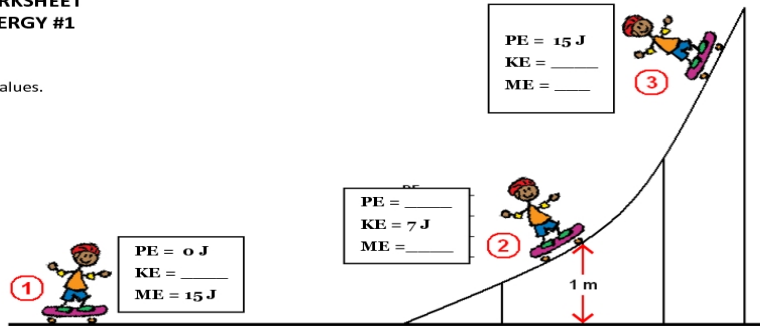
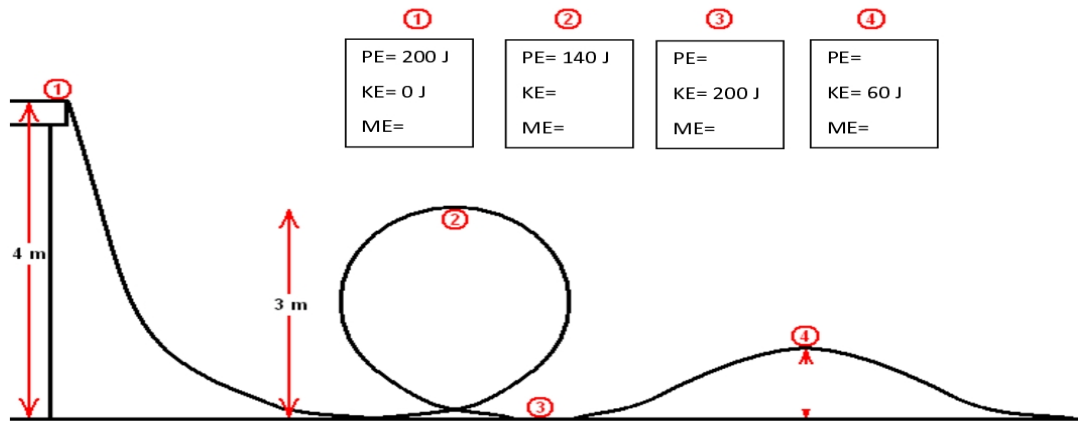


**PHYSICAL SCIENCE WORKSHEET
CONSERVATION OF ENERGY #1**

1. Fill in the missing values.



2. Fill in the missing values.



- A 1.8 kg book has been dropped from the top of the football stadium. Its speed is 4.8 m/s when it is 2.9 meters above the ground. What is its mechanical energy?
- A 28 kg child on a swing is traveling at 4.2 m/s. What is his potential energy if he has 315 J of mechanical energy?
- Identical twins Rick and Chris are painting a house. Rick is standing on the scaffolding 5 meters above the ground. Chris is standing on the scaffolding 5 meters above Pat. Who has more potential energy? Explain.