

System: Dart launcher and dart.
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Push the dart into the launcher and pull the trigger

1. Who did the work to add Mechanical Energy to the system?

ans: The person pushing the dart in.

2. What did they physically do to add the Mechanical Energy?

ans: Push the dart in.

3. What kind of Mechanical Energy did the dart launcher gain before you pulled the trigger?

ans: Elastic Potential Energy (EPE) because you compressed a spring.

4. After you you pulled the trigger, what kind of Mechanical Energy did it get converted into?

ans: Kinetic Energy (KE) because it was moving.

5. What did the work to transfer the energy away from the dart when it landed?

ans: The floor with friction.

6. What form of energy (non-Mechanical) was it transferred to?

ans: Friction transfers energy to Heat.