# Name That Energy

## Question Group 1

### Question 1

Identify whether the object described below possesses kinetic energy, gravitational potential energy, both forms of energy, or neither form of energy.

A roller coaster car is momentarily stationary at the top of the first drop of a tall roller coaster hill.

### Question 2

Identify whether the object described below possesses kinetic energy, gravitational potential energy, both forms of energy, or neither form of energy.

A cliff diver is at rest at the top of a tall cliff, making final preparations for his jump to the waters below.

## Question Group 2

### Question 3

Identify whether the object described below possesses kinetic energy, gravitational potential energy, both forms of energy, or neither form of energy.

A dragster accelerates along the drag strip to a high speed.

### Question 4

Identify whether the object described below possesses kinetic energy, gravitational potential energy, both forms of energy, or neither form of energy.

A high school sprinter is moving at a high speed as she crosses the finish line.

## Question Group 3

### Question 5

Identify whether the object described below possesses kinetic energy, gravitational potential energy, both forms of energy, or neither form of energy.

A marble, released from the top of a tall ramp, is a the half-way mark along its path to the floor below.

**Question 6**
Identify whether the object described below possesses kinetic energy, gravitational potential energy, both forms of energy, or neither form of energy.

A toy car, released from the table top, is at the half-way mark along the ramp to the floor below.

**Question Group 4**
**Question 7**
Identify whether the object described below possesses kinetic energy, gravitational potential energy, both forms of energy, or neither form of energy.

A backpack is at rest on the classroom floor.

**Question 8**
Identify whether the object described below possesses kinetic energy, gravitational potential energy, both forms of energy, or neither form of energy.

A basketball is at rest on the gym floor.

**Question Group 5**
**Question 9**
Identify whether the object described below possesses kinetic energy, gravitational potential energy, both forms of energy, or neither form of energy.

An airplane is cruising along at high altitude.

**Question 10**
Identify whether the object described below possesses kinetic energy, gravitational potential energy, both forms of energy, or neither form of energy.

An eagle is soaring along above a river, looking for an easy catch.

**Question Group 6**
**Question 11**
Identify whether the object described below possesses kinetic energy, gravitational potential energy, both forms of energy, or neither form of energy.

A baseball player is running towards third base.

**Question 12**
Identify whether the object described below possesses kinetic energy, gravitational potential energy, both forms of energy, or neither form of energy.

The point guard on the basketball team heads down the court at high speed.

**Question Group 7**
**Question 13**
Identify whether the object described below possesses kinetic energy, gravitational potential energy, both forms of energy, or neither form of energy.

A physics book is hanging from the ceiling of the room above a student's desk.

**Question 14**
Identify whether the object described below possesses kinetic energy, gravitational potential energy, both forms of energy, or neither form of energy.

A cat is at rest in the branch of a tree.

**Question Group 8**
**Question 15**
Identify whether the object described below possesses kinetic energy, gravitational potential energy, both forms of energy, or neither form of energy.

A car is parked in the parking lot.

**Question 16**
Identify whether the object described below possesses kinetic energy, gravitational potential energy, both forms of energy, or neither form of energy.

The dog is napping in the middle of the living room floor.

**Question Group 9**
**Question 17**
Identify whether the object described below possesses kinetic energy, gravitational potential energy, or elastic potential energy. Select all that apply.

A gymnast stands in the center of the bed of a trampoline, three feet above the ground

**Question 18**
Identify whether the object described below possesses kinetic energy, gravitational potential energy, or elastic potential energy. Select all that apply.

A mass, hung on the end of a spring, is motionless, a height of 1 meter above the classroom floor.

**Question Group 10**
**Question 19**
Identify whether the object described below possesses kinetic energy, gravitational potential energy, or elastic potential energy. Select all that apply.

A dart, having been loaded into a dart gun, compresses the coils of the gun before it is shot.

**Question 20**
Identify whether the object described below possesses kinetic energy, gravitational potential energy, or elastic potential energy. Select all that apply.

Just before rebounding back upward from the hardwood floor, for a moment in time, the stationary bouncy ball is compressed into a non-spherical shape.

**Question Group 11**
**Question 21**
Identify whether the object described below possesses kinetic energy, gravitational potential energy, or elastic potential energy. Select all that apply.

A skier is in the chair of a ski lift is moving along at a steady speed, halway to the top of the hill.

**Question 22**
Identify whether the object described below possesses kinetic energy, gravitational potential energy, or elastic potential energy. Select all that apply.

A softball is still rising upwards as it passes over second base.

**Question Group 12**
**Question 23**
Identify whether the object described below possesses kinetic energy, gravitational potential energy, or elastic potential energy. Select all that apply.

A shuffleboard disk slides across the shuffleboard court at a constant speed.

**Question 24**
Identify whether the object described below possesses kinetic energy, gravitational potential energy, or elastic potential energy. Select all that apply.

A skier has reached the bottom of a hill and is making plans to come to an abrupt halt.