



EGG DROP EXPERIMENT

ADD YOUR "TEACHER" NAME
HERE

ENGAGE

- HAVE YOU EVER HEARD OF A DISASTER RELIEF SUPPLY DROP?
- HOW DO PEOPLE PROTECT THESE BOXES?
- HOW WOULD YOU PROTECT AN EGG?





ENGAGE

- GATHER AROUND TOWARDS THE FRONT OF THE CLASS.
- WATCH WHAT HAPPENS TO THE EGG.

EXPLORE

- EACH OF YOU WILL FORM IN GROUPS OF 4 TO 5.
- CREATE A DEVICE TO PROTECT YOUR EGG FROM CRACKING WHEN DROPPED.
- YOU WILL HAVE 10 MINUTES TO COMPLETE YOUR DEVICE.
- **DO NOT TAKE THE EGG OUT OF THE PLASTIC BAG!!!!**





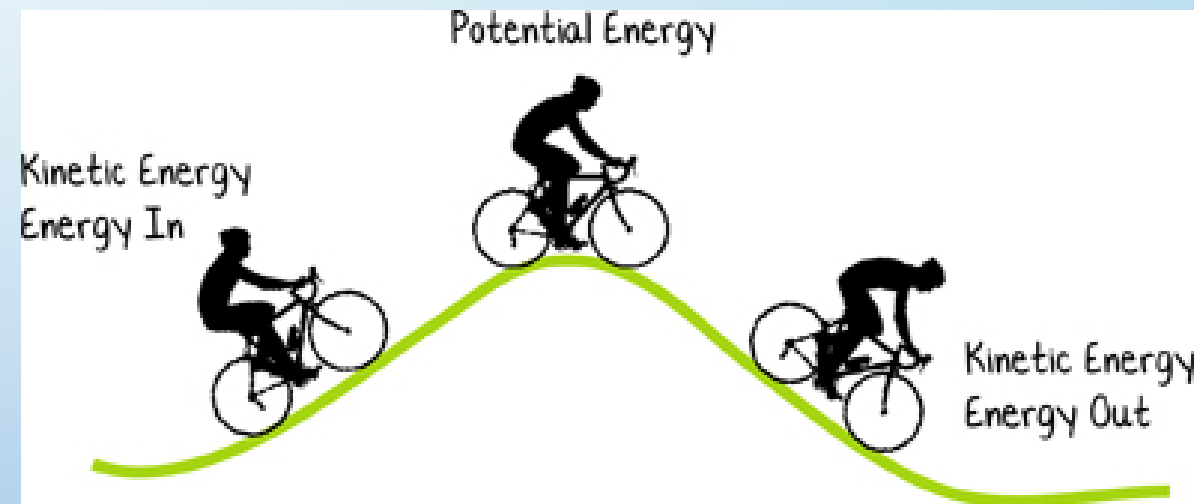
Dare deviled egg

EXPLORE

- EACH GROUP WILL WATCH AS THEIR EGG IS DROPPED FROM THE SAME HEIGHT.

EXPLAIN

- KINETIC ENERGY: ENERGY THAT OCCURS WHILE IN MOTION.
- POTENTIAL ENERGY: STORED ENERGY
- CONSERVATION OF ENERGY: ENERGY CANNOT BE CREATED OR DESTROYED.

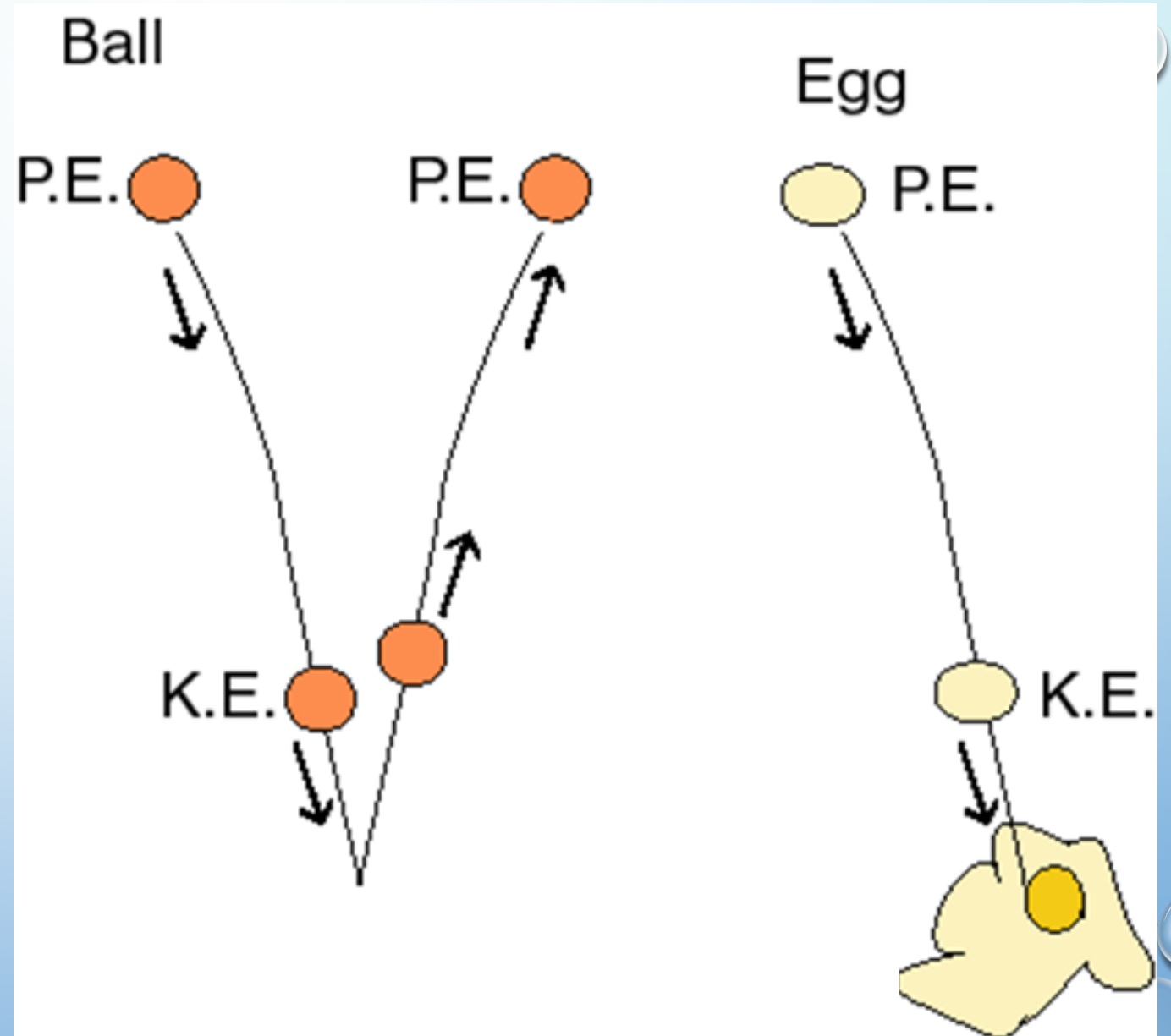


EXPLAIN

- FORM BACK INTO YOUR GROUPS.
- COMPLETE THE CARD SORT.
- YOU WILL HAVE 5 MINUTES.

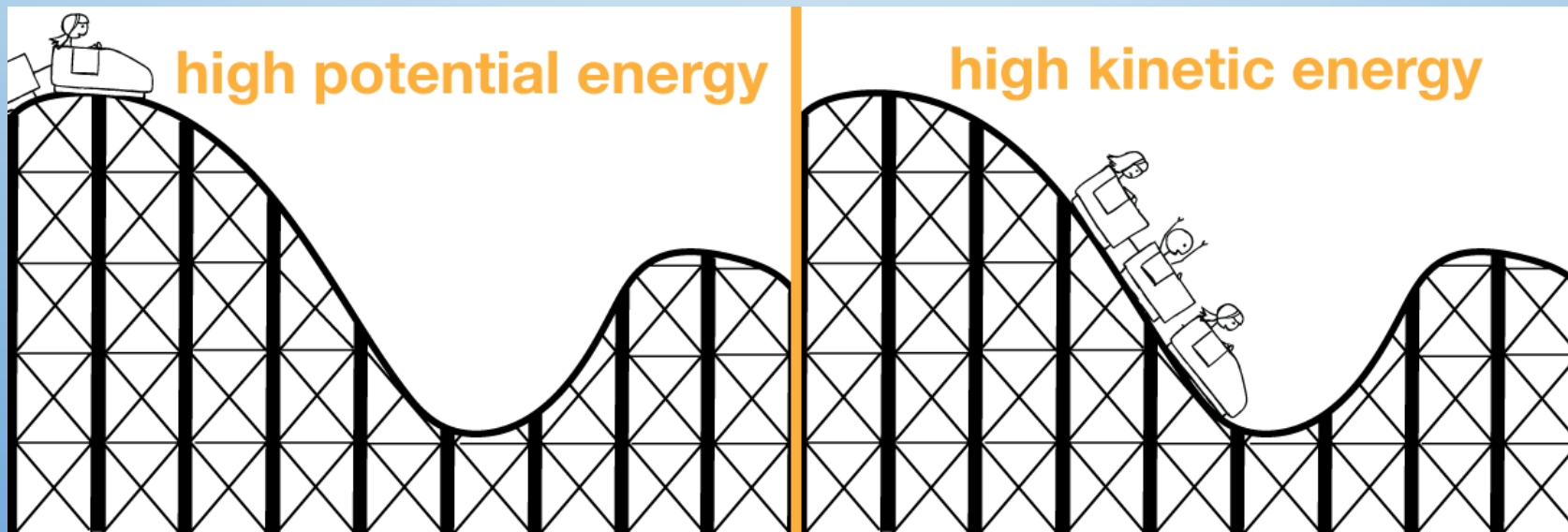


EXPLAIN



ELABORATE

- WOULD THE HEIGHT OF THE EGG DROP EFFECT THE AMOUNT OF KINETIC AND POTENTIAL ENERGY?
- WHAT ELSE WOULD BE A GOOD EXAMPLE OF KINETIC AND POTENTIAL ENERGY?
 - ROLLER COASTERS?



A white rectangular card with rounded corners and a thin grey border is centered on the left side of the slide. On the card, the word "QUIZ!" is written in large, bold, 3D letters. The letters are white with a thick red outline and a red shadow on the right side, giving them a three-dimensional appearance. The card is set against a light blue background decorated with several translucent water droplets of various sizes.

QUIZ!

EVALUATE

- COMPLETE THE QUIZ ON YOUR OWN.
- TURN IN YOUR QUIZ ON YOUR WAY OUT TO THE TEACHER.