

Name _____

H. Activity Guide.

Note: If you see *** that means do whatever the directions are and have a teacher, parent, chaperone, or explainer check and initial that you did it.

Gravity Well (Looks like a large funnel.)

1. Gently roll a ball around the outer rim of the gravity well. Observe. What force, other than gravity, makes the ball move toward the center?

_____ (lift, friction, air pressure, heat)

2. Does the ball go faster or slower as it nears the hole?

_____ (a.faster, b.slower, c. same speed but has a shorter distance to go.)

3. The ball spiraling inward could represent the satellites that we put into orbit.

Does this demonstration predict that eventually the satellites in earth orbit will fall back into the earth's atmosphere where most will burn up? _____ (Y, N)

TRY THE PUZZLES

(Found between the "Dam the Creek" and the "Parachute Launch".

Try at least 3 (three) of these. Which ones did you complete successfully?

Trapezoids 2 Triangle *** _____

Box of many holes *** _____

Tower of Hanoi *** _____

Magic Square *** _____

Crossing the river *** _____

Square Deal *** _____

Horse and Rider *** _____

Pyramid Puzzler *** _____

Vanishing Leprechaun *** _____

Shut the box *** _____