BFSU D-1

# Down Means Toward the Middle

*The plumb line, the level floor, and the globe with no edge*

WORKSHEET

## 1 · Draw a line from each tool to the part of the house it checks



*the plumb bob, hanging* ○



*the WALL — standing straight up* ○



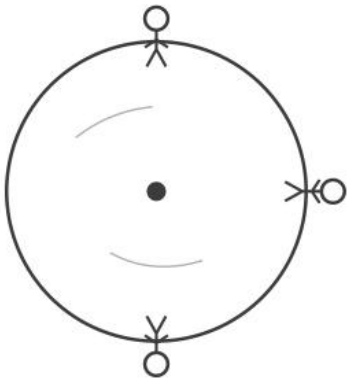
*the bubble level, resting* ○



*the FLOOR — lying flat across* ○

## 2 · Draw every child's "down" arrow on the globe

*Three children stand around the Earth. Draw each one's falling-ball arrow — where do all the arrows meet?*



## 3 · Guess first, then circle what really happened

**The oil drop under water**

The little oil drop will…

(sink to the bottom) (float up)

**The drop race**

The heavy ball and the light ball will land…

(heavy one first) (at the same time)

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# The Inspector's Report

*Weigh it, certify it, and draw the house gravity would wreck*

WORKSHEET

## 1 · The weighing chart — colour the bar to the scale's reading

*Say it the scientist's way each time: "Gravity's pull on ___ is ___ pounds." Then circle: would the moon pull harder or softer?*

| WHAT WE WEIGHED | COLOUR THE BAR TO THE POUNDS | ON THE MOON? |
|---|---|---|
| a stack of books | | harder · softer |
| the watering can, full | | harder · softer |
| ME | | harder · softer |

## 2 · The inspector's tally

*One tally mark for every wall and surface you certified on the inspection round.*

| VERTICAL — certified | HORIZONTAL — certified | LEANING — reject! |
|---|---|---|
| | | |

## 3 · Draw the silly house

*Walls leaning, floors tilting — draw what gravity does to the soup, the marbles, and the whole house. Now you know why builders carry a plumb bob.*

*the house no inspector would certify*