

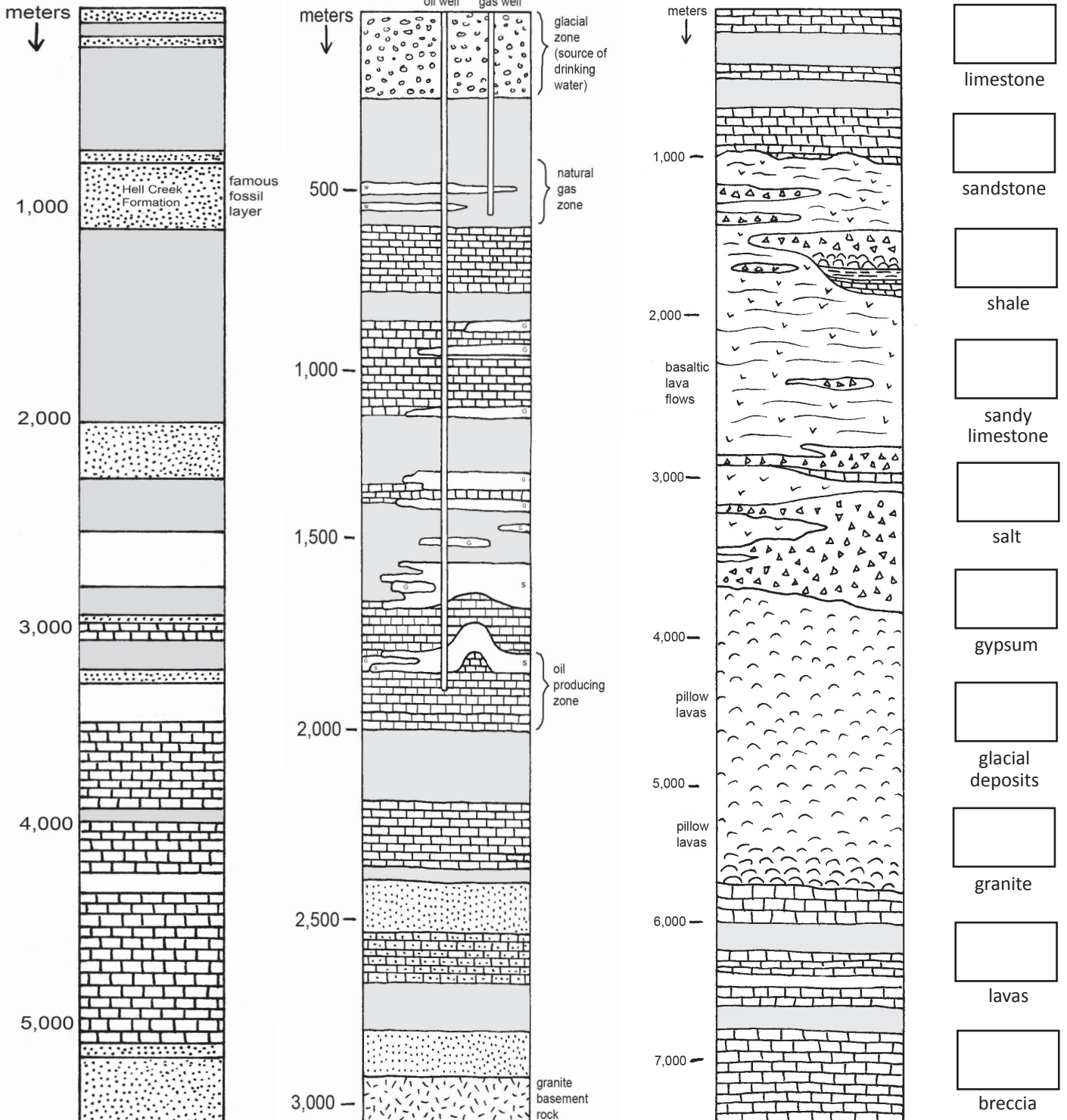
Activity 8.7 Coloring page (review of sedimentary layers on continents)

Here are three stratigraphic columns for you to color and compare. The columns represent information gained by doing not only seismic studies, but brining up core samples from drilling projects such as wells. You will need to fill in the patterns in the key on the right. The light gray areas are shale. You can fill in the pattern for shale or color code it. The salt should stay white, but you can choose colors for all the other types of rock. You can use realistic colors or bright colors, but make sure you don't cover the patterns. Notice the salt dome in Michigan Basin, and also the fact that salt is often found with gypsum. In the Michigan basin column, "W" is water, "S" is salt, "G" is gypsum. The little V's on the Vancouver column indicate some kind of volcanic rock, in this case, basalt. (You can make all the lavas one color.) What happened there in Vancouver? Wow, what a lot of volcanic activity there was at some point in time! Also, take note of the depth scale on the left of each column. 1,600 meters equals one mile.

WILLISTON BASIN, North Dakota

MICHIGAN BASIN, Michigan

VANCOUVER ISLAND, Canada

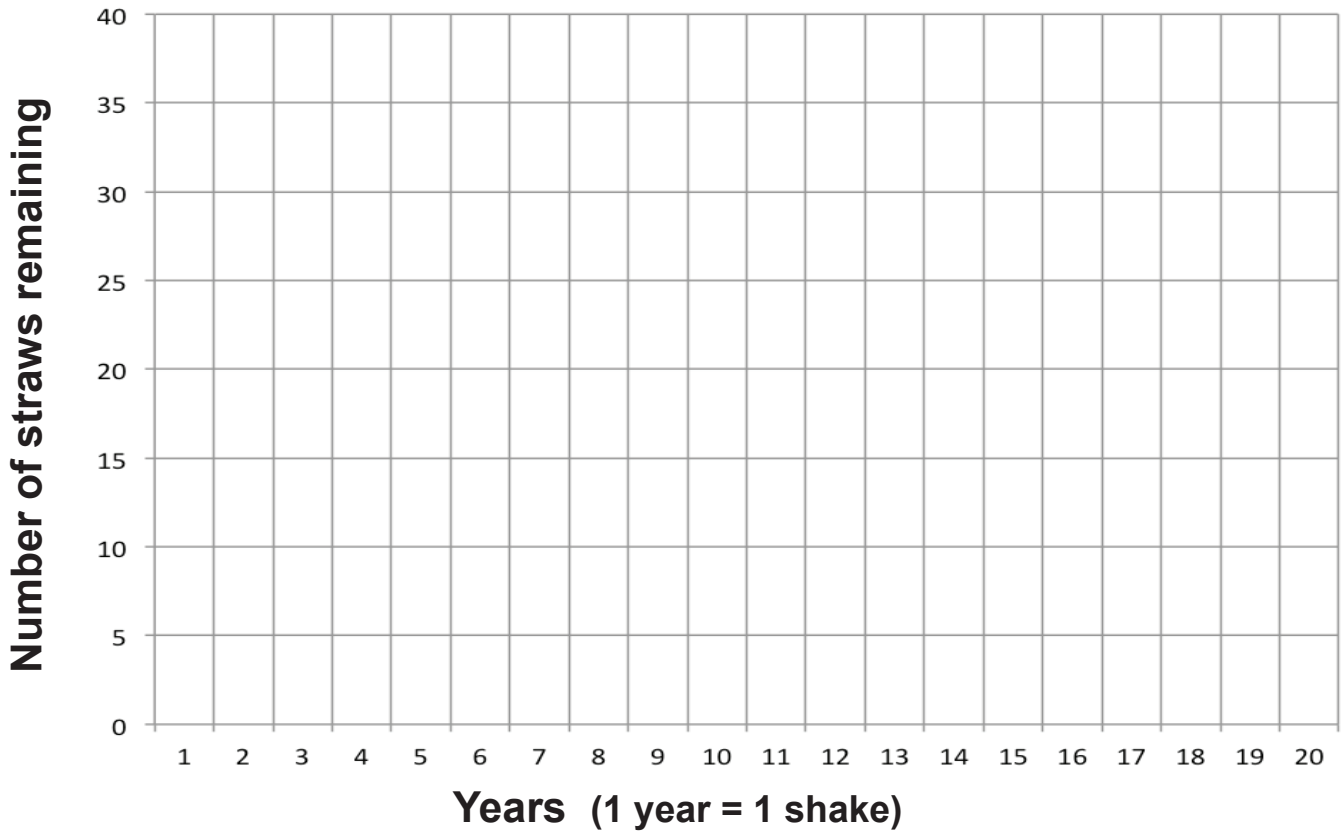


HALF-LIFE LAB

RECORD YOUR DATA: Write the number of remaining straws in the box after each shake.

		shake number																			
straw size		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
.5 cm																					
1 cm																					
1.5 cm																					

GRAPH YOUR DATA:



COLOR KEY:

= .5 cm

= 1 cm

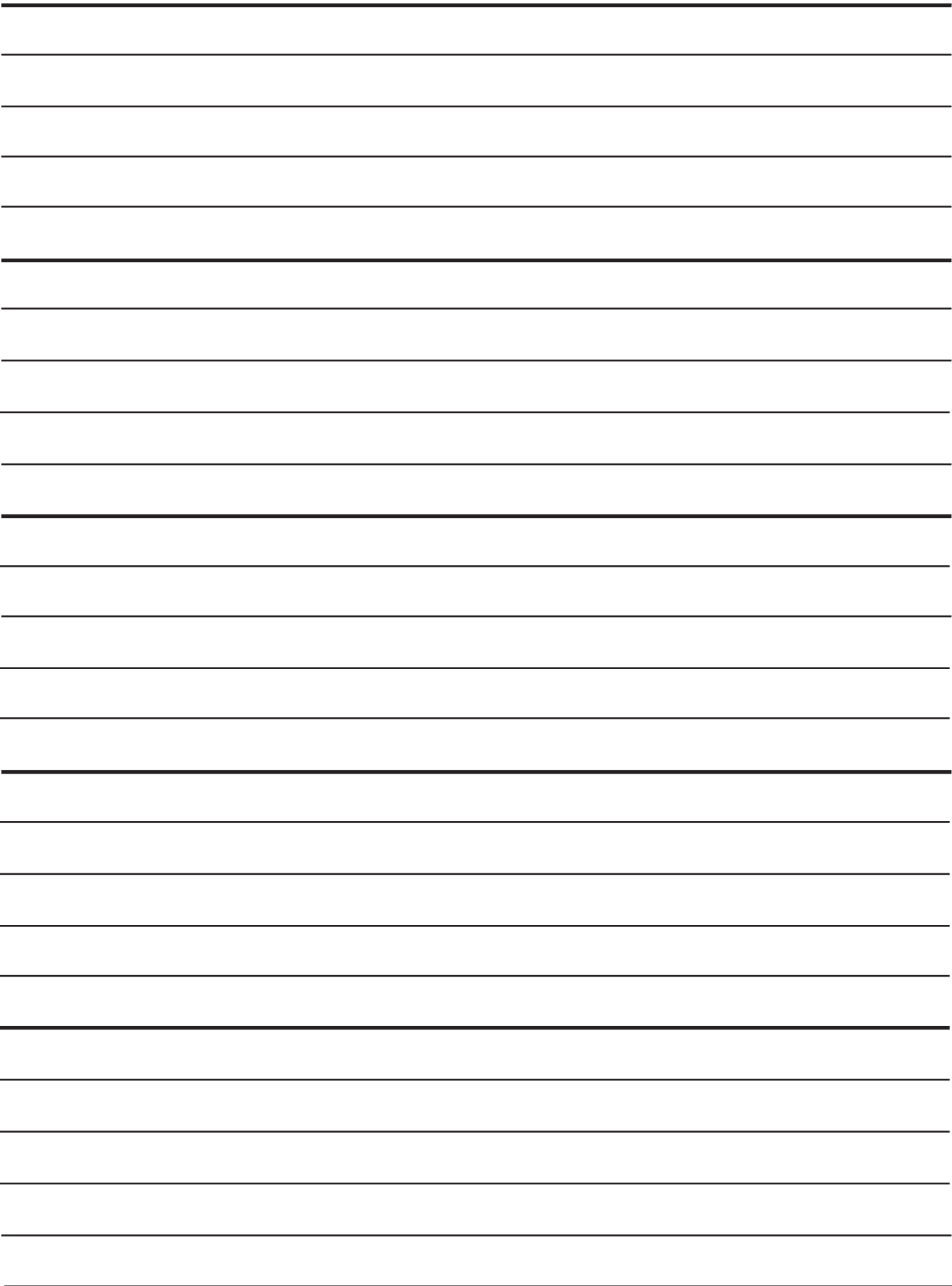
= 1.5 cm

=

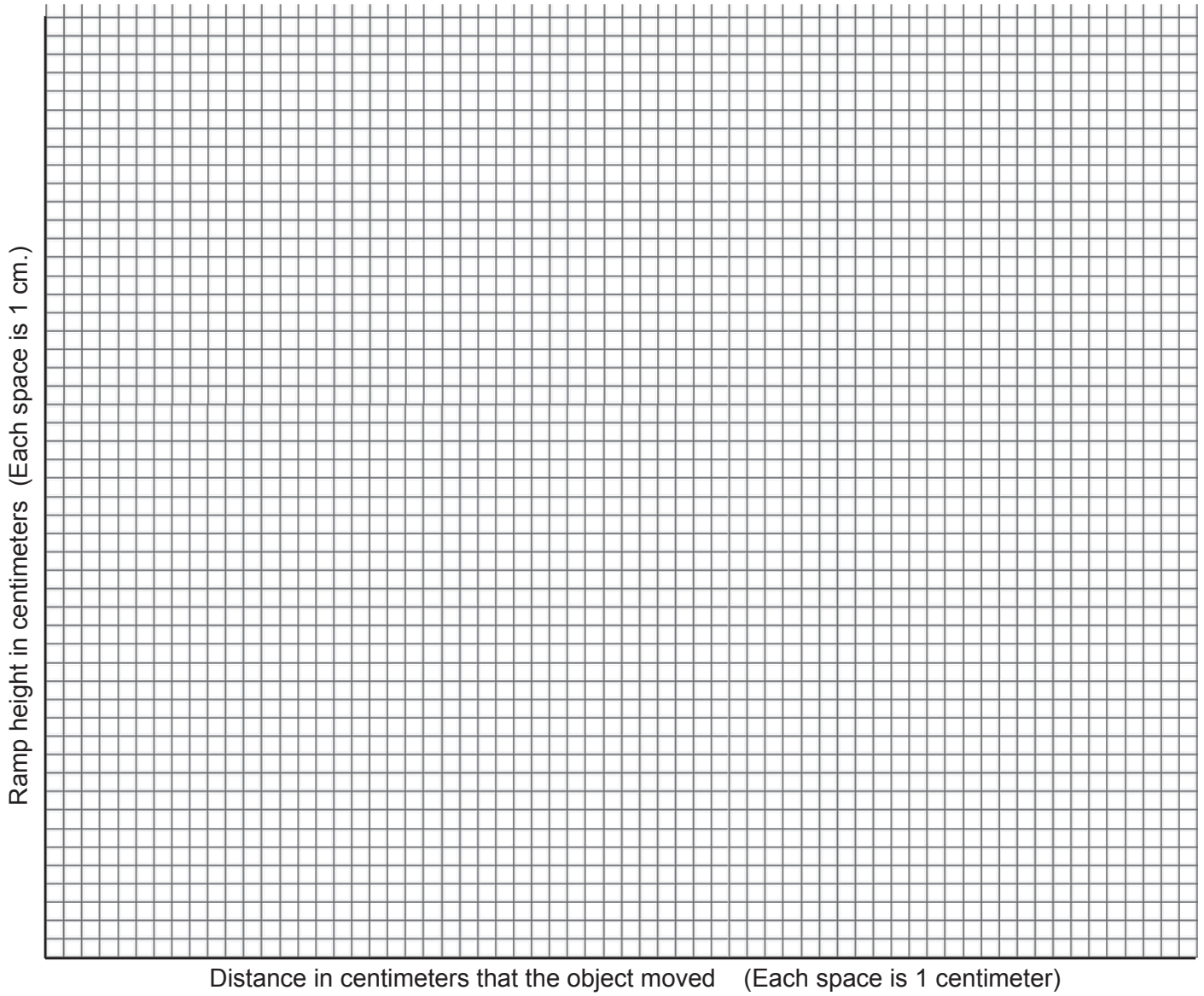
HALF-LIFE CALCULATIONS:

WORK SPACE:

- 1) Half-life of .5 cm straws = _____ years
- 2) Half-life of 1.0 cm straws = _____ years
- 3) Half-life of 1.5 cm straws = _____ years
- 4) Half-life of _____ cm straws = _____ years



EXTRAPOLATION LAB



BALLS: = = = = =

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