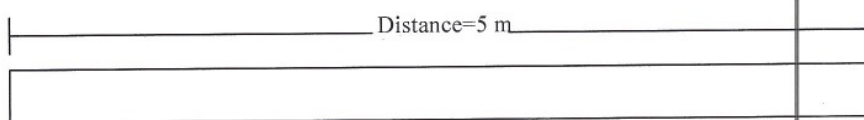


Making a Geologic Time Line

Procedure: Use this lab sheet and read the directions carefully to complete the activity.

1. When using copying paper instead of adding machine tape, do steps 1-3. When using adding machine tape, skip to number 4.
2. Arrange the paper so that it is in a landscape direction and put the paper end to end until there is 5 meters of copying paper.
3. Using clear transparent tape, tape the paper together so that there is 5 meters of paper from end to end.



4. Using a meter stick, draw a line through across the middle of the paper from left to right.
5. In the top left corner, make a scale. Label the scale: 1 cm = 10 million years
6. Starting on the left side of the paper, measure 5 cm, to the right on the line, and make a vertical mark. Label this mark with the word **-Today**.
7. From this mark, measure 1 meter to the right on this line and make a vertical mark. Label this mark 1 billion years. Measure and mark each meter after that up to 4 meters or 4 billion years from today.
8. Now, measure 60 cm to make the total length of the time line 4.6 meters. Mark and label this distance 4.6 billion years (**The Beginning of Time**).
9. Label the year and name of each era on your geologic time scale.
Using the scale 1 cm = 10 million years, measure the distance to each era from Today by using the following information.

Eras

- | | | | |
|--------------------|-------------------------|---------|---------------|
| a. Cenozoic Era | = 65 million years ago | = _____ | cm from Today |
| b. Mesozoic Era | = 245 million years ago | = _____ | cm from Today |
| c. Paleozoic Era | = 545 million years ago | = _____ | cm from Today |
| d. Precambrian Era | = 4.6 billion years ago | = _____ | cm from Today |

10. Label the major events of each era on your geologic time scale by using the basic geologic time scale as a guide. Cut out each of the major events and paste them onto the geologic time scale. (Making it easier on you: Layout each of the events on the geologic time scale before pasting them on the scale – the pieces are easier to move without the glue☺)

