

# Clock of Natural History

Make a clock where 1 hour = 4.5 billion years. 12 O'Clock Noon is when the Earth was formed and 1 pm is now. Include the following events and show them on the clock face with the correct time. Points will be given for the correct answer and each set of calculations

- 1) 12:00:00.0 = Earth formed -  $4.5 \times 10^9$  years ago
- 2) Origin of life =  $3.5 \times 10^9$  years ago
- 3) 1st true plants =  $400 \times 10^6$  years ago
- 4) 1st dinosaurs =  $225 \times 10^6$  years ago
- 5) 1st mammals =  $150 \times 10^6$  years ago
- 6) Dino's died =  $65 \times 10^6$  years ago
- 7) Humans appear = 200,000 years ago
- 8) When I was born = ??? years ago

## Calculations:

1)  $4.5 \times 10^6$  years ago = **12:00:00.0 pm**

2)  $3.5 \times 10^9$  years ago / 1 X 1min /  $75 \times 10^6$  years = 46.67 min. ago

.67 min / 1 X 60 sec / 1 min = 40.2 sec

Time after noon = **12:13:20 pm**

3) etc....