

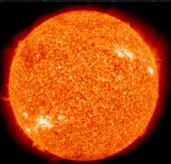

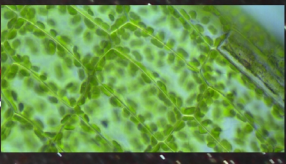










THE

# COSMIC CALENDAR

If the universe began at midnight on January 1 and it is now midnight on December 31...

January	February	March	April	May	June
<p>New Year's Day: The Big Bang</p>  <p>13.8 billion years ago</p>		<p>Milky Way Galaxy forms</p>  <p>11 billion years ago</p>			

July	August	September	October	November	THE SCALE:
	<p>The Sun and planets form</p>  <p>4.5 billion years ago</p>	<p>First known life appears</p>  <p>3.5 billion years ago</p>	<p>Oxygenation of the atmosphere</p>  <p>2.3 billion years ago</p>	<p>First complex cell life evolves</p>  <p>2 billion years ago</p>	<p>1 month = 1.1 billion years</p> <p>1 day = 37.8 million years</p> <p>1 minute = 26,238 years</p>

DECEMBER						
1	2	3	4	5	6	7
8	9	10	11	12	13	<p>14 First animals</p>  <p>670 mil. yrs ago</p>
15	16	<p>17 First fish</p>  <p>530 mil. yrs ago</p>	18	19	<p>20 Land plants</p>  <p>450 mil. yrs ago</p>	<p>21 Insects</p>  <p>400 mil. yrs ago</p>
<p>22 Amphibians</p>  <p>370 mil. yrs ago</p>	<p>23 Reptiles</p>  <p>300 mil. yrs ago</p>	24	<p>25 Dinosaurs</p>  <p>230 mil. yrs ago</p>	<p>26 Mammals</p>  <p>200 mil. yrs ago</p>	<p>27 Birds</p>  <p>150 mil. yrs ago</p>	<p>28 Flowers</p>  <p>130 mil. yrs ago</p>
29	<p>30 Dinosaur extinction</p>  <p>65 mil. yrs ago</p>	<p>31 6:12 a.m.: First apes appear, 28 million years ago            9:11 p.m.: Humans and chimps diverge, 6 million years ago            11:52 p.m.: Anatomically modern humans, 200,000 years ago            11:59:49 p.m.: Great Pyramid built at Giza, 2560 BCE            One second before midnight: Columbus travels to America, 1492 CE</p>				

