1. Match each key term in the left column with its definition in the right column.
    (Page 360-368 of textbook will help)

Term		Definition
A. paleoclimatologist	E	the traces or remains of a once-living organism
B. ice core	G	describing a satellite that travels around Earth's equator at a speed that matches the speed of Earth's rotation so that the satellite remains in the same position relative to Earth's surface
C. isotope	M	a means of reducing or avoiding greenhouse gas emissions by purchasing credits to reduce your carbon footprint
D. sedimentary rock	L	the effect that human activities have on the environment in terms of the amount of greenhouse gases produced, measured in units of carbon dioxide
E. fossil	H	a mathematical or computer program that describes, simulates, and predicts the interactions of the atmosphere, oceans, land surface, and ice of Earth to simulate past, present, and future climate conditions
F. monitor	J	any substance or process that alters the global energy balance and causes climate to change
G. geostationary	D	a type of rock that is formed by the deposition of sediment
H. climate model	A	a scientist who studies past climates on Earth
I. general circulation model (GCM)	K	a tendency toward a particular perspective or point of view that prevents objective assessment of a topic
J. forcing agent	I	a complex computer program that uses mathematical equations to describe the physical processes of the atmosphere and to manipulate the variables that affect how the natural climate system works
K. bias	C	any of two or more forms of an element that have the same number of protons but a different number of neutrons
L. carbon footprint		to measure conditions systematically and repeatedly in order to track changes
M. carbon offset	B	a long cylinder of ice obtained by drilling into a glacier

2. List four sources of evidence about past climates.

    1) ice cores
    2) sedimentary rocks
    3) fossils
    4) tree rings