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## Milankovitch Cycles Organizer

*Define the following terms and answer the related questions.*

### I. PRECESSION:

\_\_\_\_\_

1. How frequently does the Earth complete a cycle of precession?

\_\_\_\_\_

2. Where is the Earth now in the cycle?

\_\_\_\_\_

### II. ORBITAL ELLIPTICITY:

\_\_\_\_\_

1. What happens when the Earth's orbit is most elliptical?

\_\_\_\_\_

2. How long does it take to complete an elliptical cycle?

\_\_\_\_\_

### III. NUTATION:

\_\_\_\_\_

1. What causes the Earth's seasons?

\_\_\_\_\_



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2. How do the seasons vary with nutation?

\_\_\_\_\_

3. How long is a cycle of nutation?

\_\_\_\_\_

#### IV. CLIMATE VARIATION:

\_\_\_\_\_

1. What happens when all three cycles unite to produce cooler summers?

\_\_\_\_\_

2. What happens when all three cycles unite to produce warmer summers?

\_\_\_\_\_

Why doesn't the climate in the Southern Hemisphere affect the cycle of Ice Ages?

\_\_\_\_\_

\_\_\_\_\_

Where are we now in the cycle?

\_\_\_\_\_

\_\_\_\_\_