

**Stone Circle Project  
Think Sheet**

**Name**\_\_\_\_\_

1) What are some of the reasons that ancient peoples might have been interested in astronomical events? (List at least 5, more for a bonus.)

2) Most people know about Stonehenge and the stone circles in Great Britain. Can you name at least three other ancient (not modern) stone circles that can be found in the US?

3) From your research of looking at ancient circle sites, what would you say are the most common astronomical alignments found?

4) Find the following information for Athens, Ohio:

Position of sun on the horizon at sunrise on Dec 8, 2013\_\_\_\_\_

Fraction of the moon illuminated at 4:20am on March 11, 2007\_\_\_\_\_

The date of the next total lunar eclipse and the actual time when it enters totality \_\_\_\_\_

Find the day, hour and minute (in Universal time) of the next full moon  
\_\_\_\_\_

The usual peak dates of the Perseid meteor showers\_\_\_\_\_

5) Is Polaris actually due north as compared to a compass? If not, how far off of magnetic north is it?