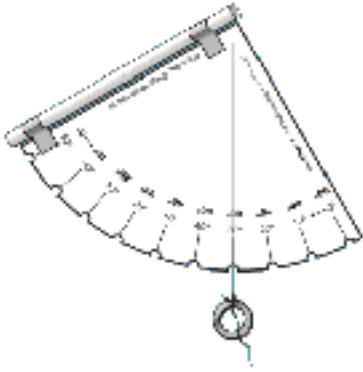


# ASTROLABE LAB

Name \_\_\_\_\_ Block \_\_\_\_\_



Use your compass rose and astrolabe to locate 5 objects in the classroom and 5 objects outside.

Object	Azimuth	Altitude
1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____
5.	_____	_____
6.	_____	_____
7.	_____	_____
8.	_____	_____
9.	_____	_____
10.	_____	_____

## Questions:

1. Why are two measurements needed to determine the locations of objects in the sky?
2. Why is azimuth measured from  $0^{\circ}$  to  $360^{\circ}$  while altitude is only measured from  $0^{\circ}$  to  $90^{\circ}$ ?
3. Compare your indoor measurements with the measurements made by someone who was taking their measurements from another place of the classroom. What effect does your position in the classroom have on the measurements of azimuth and altitude?
4. How is using altitude and azimuth to locate objects in the sky similar to using latitude and longitude on the Earth's surface?