



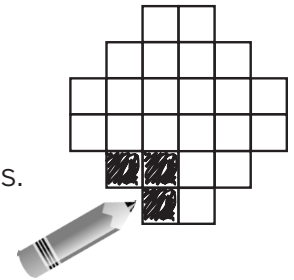
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School: \_\_\_\_\_ Teacher: \_\_\_\_\_

Date: \_\_\_\_\_ Time: \_\_\_\_\_ Weather: \_\_\_\_\_

Stream/Site Name: \_\_\_\_\_

Directions: Working with a partner, take one sample of canopy cover in each cardinal direction using the spherical densiometer. Once you have the densiometer positioned correctly, fill in the areas on this worksheet that are covered with canopy shade. If the square is 50% shaded or more, fill in the entire square. Record the number of shaded boxes for each sample. Add up the numbers for all four samples. The result is your estimated percent canopy for your location.



		A	B		
	C	D	E	F	
G	H	I	J	K	L
M	N	O	P	Q	R
	S	T	U	V	
	W	X			

# Shaded Boxes  
\_\_\_\_\_

North

		A	B		
	C	D	E	F	
G	H	I	J	K	L
M	N	O	P	Q	R
	S	T	U	V	
	W	X			

# Shaded Boxes  
\_\_\_\_\_

East

		A	B		
	C	D	E	F	
G	H	I	J	K	L
M	N	O	P	Q	R
	S	T	U	V	
	W	X			

# Shaded Boxes  
\_\_\_\_\_

South

		A	B		
	C	D	E	F	
G	H	I	J	K	L
M	N	O	P	Q	R
	S	T	U	V	
	W	X			

# Shaded Boxes  
\_\_\_\_\_

West

\_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_  
**North + East + South + West = Estimated % Canopy**

## CANOPY COVER

What You Need:

- Spherical Densiometer
- Compass
- Canopy cover data sheet

Procedure:

With a partner take one sample of canopy cover in each cardinal direction.

1. Imagine your Spherical Densiometer (SD) has letters in each square proceeding alphabetically corresponding to the data sheet.
2. Hold the SD 12"-18" in front of your body at elbow height, so that operator's head is just outside of grid area. Do your best to keep the SD steady by utilizing the provided level.
3. Tell your partner which lettered boxes to fill in based on the boxes covered more than 50% by shade. (Your partner may want to hold the data sheet up next to the SD to make it easy to relay the letters of the shade covered boxes.)
4. Repeat step 3 for North, South, East and West.
5. Add shaded boxes for all directions, the result is your estimated canopy cover for your location.