Name_____   **Period**_____

Proposed Plant Canopy Area by Water Use Type

1. Using the *Proposed Plant Types* worksheet, sort plants by Water Use and record Plant Name, Plant Radius, and Number of Plants in appropriate tables below.
2. Calculate Plant Canopy Area = π x r² and record in Column B
3. Multiply Column B (Plant Area) x Column C (Number of Plants) and record in Column D.
4. Add up Total Plant Area values in Column D and record at bottom of table.

Very Low Water Use Plant Name	Column A Plant Radius r (ft)	Column B $Plant\ Area$ $= \pi\ x\ r^2\ (ft^2)$	Column C Number of Plants	Column D = B x C Total Plant Area (ft^2)
		Very Low Total		

Low Water Use Plant Name	Column A Plant Radius r (ft)	Column B $Plant\ Area$ $= \pi\ x\ r^2\ (ft^2)$	Column C Number of Plants	Column D = B x C Total Plant Area (ft^2)

		Low Total	

Moderate Water Use Plant Name	Column A Plant Radius r (ft)	Column B Plant Area $= \pi \, x \, r^2 \, (ft^2)$	Column C Number of Plants	Column D = B x C Total Plant Area (ft²)
		Moderate Total	

High Water Use Plant Name	Column A Plant Radius r (ft)	Column B Plant Area $= \pi \, x \, r^2 \, (ft^2)$	Column C Number of Plants	Column D = B x C Total Plant Area (ft²)
		High Total	