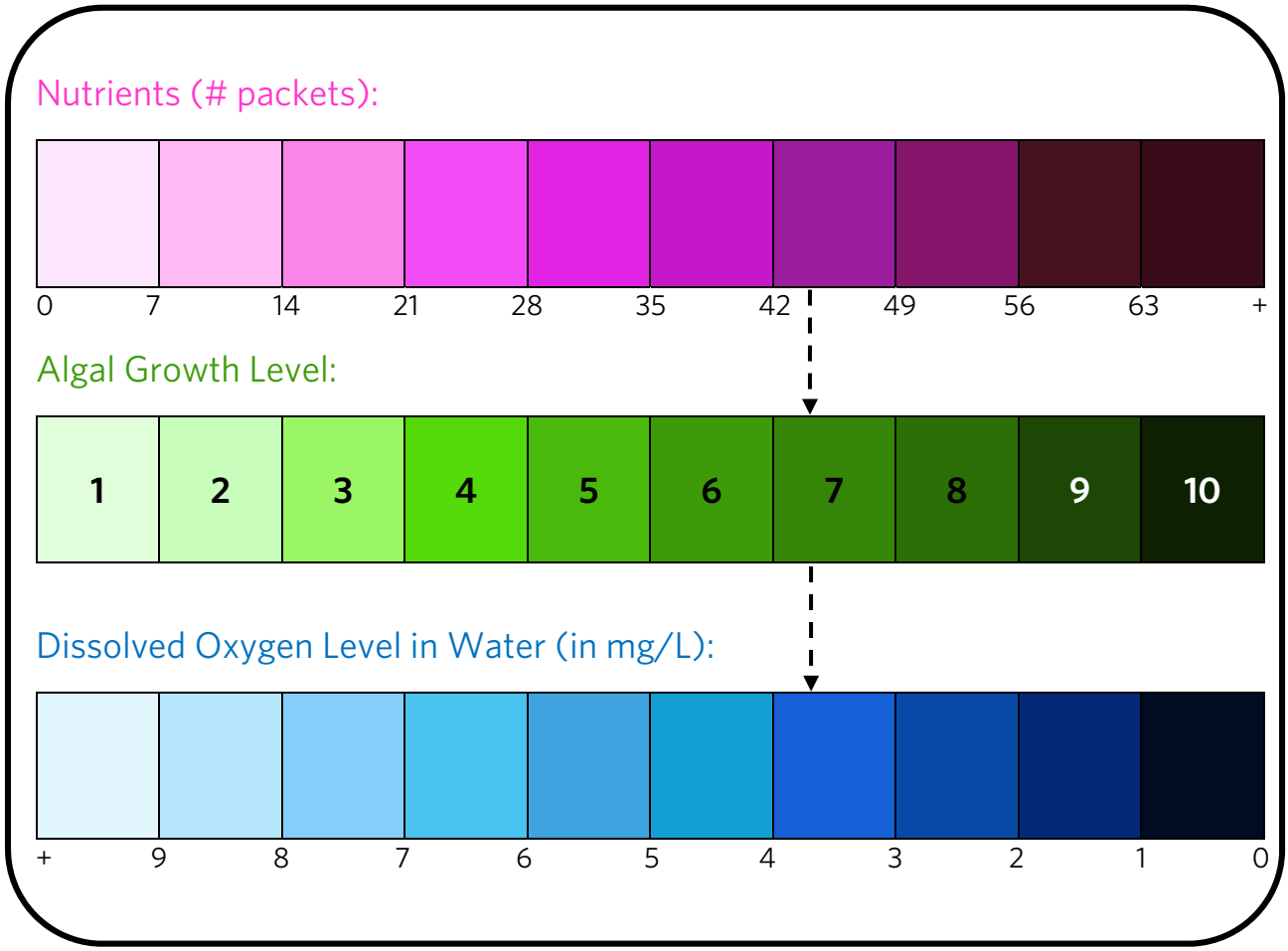
Nutrients, Algal Growth, and Oxygen

Use the following diagram to classify the level of algal growth from a given nutrient concentration and to figure out the level of dissolved oxygen in the water this corresponds to. Find your nutrient concentration (# packets) in the first scale bar and put your finger on it. Move your finger straight down the page to read the corresponding number from the Algal Growth Level scale and estimate (to one decimal place) the Dissolved Oxygen Level that your finger intersects.

Example: 44 nutrient packets = Algal Growth Level 7 = ~3.7 mg/L dissolved oxygen

The water quality monitoring station(s) will record this information on the class datasheet.



Aquatic Organism Information Table

	Organism name	Where organism lives	Minimum required oxygen levels
	Striped Bass	In the water within 5 miles of the shore	6.0 mg/L
	Aquatic worms	On or inside mud on the seafloor	1.0 mg/L
	Yellow Box Crab	On the sandy or sand-mud seafloor from the shore to about 183 m depth	3.98 mg/L
	Gulf Flounder	On or near the sandy or sand-mud seafloor up to about 125 m depth	4.0 mg/L
	Eastern Oyster	Attached to the seafloor in water depths of 2-8 m	2.0 mg/L

Crab, flounder, and worm images: *NOAA Photo Library;* Bass Image: *Tim Van Vliet;* Oyster image: *Andrew C.*