Photosynthesis and Respiration

**Photosynthesis:** Plants in the light *use up* ____ CO₂ ____ (gas)

**Plant**

Jar #1:  \[ \text{BTB} + \text{CO}_2 \longrightarrow \text{BTB} + \_	ext{less}_\text{CO}_2 \]

in Light

(more/same/less)

color: yellow

color: blue

**NO Plant**

Jar #2: \[ \text{BTB} + \text{CO}_2 \longrightarrow \text{BTB} + \_	ext{same}_\text{CO}_2 \]

in Light

(more/same/less)

color: yellow

color: yellow

**Respiration:** Animals AND Plants (in the dark) *Produce:* ____ CO₂ ____ (gas)

**Plant**

Jar #4: \[ \text{BTB} + \text{NO CO}_2 \longrightarrow \text{BTB} + \_	ext{more}_\text{CO}_2 \]

in Dark

(more/same/less)

color: blue

color: yellow

**NO Plant**

Jar #5: \[ \text{BTB} + \text{NO CO}_2 \longrightarrow \text{BTB} + \_	ext{same}_\text{CO}_2 \]

NO Animal

(more/same/less)

color: blue

color: blue

**Animal**

Jar #6: \[ \text{BTB} + \text{NO CO}_2 \longrightarrow \text{BTB} + \_	ext{more}_\text{CO}_2 \]

in Dark

(more/same/less)

color: blue

color: yellow