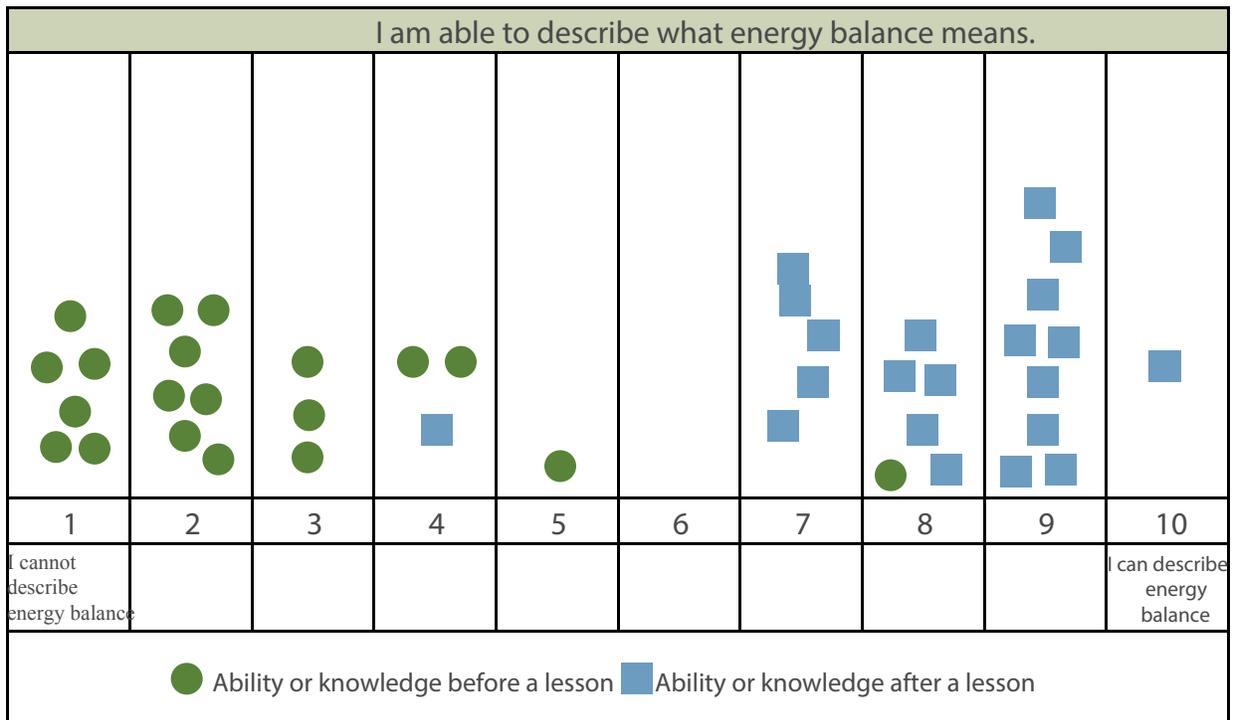# Energy in, Energy Out
Using Consensograms for Assessment

A Consensogram is a visual assessment tool used to chart a student's self-reported knowledge on a given topic. It is a quick way to assess understanding. Students view a large graph with the assessment question, then rank their knowledge or skill level on a scale of 1-10. Each student places a sticker or marker on the graph. Consensograms can be used to show knowledge at the beginning and at the end of the lesson, or just at the end of lesson.

Example:

I am able to describe what energy balance means.									
1	2	3	4	5	6	7	8	9	10
I cannot describe energy balance									I can describe energy balance

● Ability or knowledge before a lesson ■ Ability or knowledge after a lesson

Use a Consensogram for the *Energy In, Energy Out* Exploration:

Materials:

- Large piece of white paper

- Felt marker

- Two types of cut outs or stickers to use as student markers

Use the paper and marker to recreate the blank Consensogram below for the class. It should be large enough to fit a "before" and an "after" marker for each student.

On the top of the Consensogram, list the knowledge that will be measured:

"I am able to describe energy balance."

Label the vertical columns 1-10. Label the first column with the text, "I cannot describe energy balance." and the last column "I can describe energy balance." Give students general guides for self assessment, helping them understand that if they've never seen or used a pedometer before, they may select "1". If they've seen it, but not used it, they may select 3 or 4, and if they use one every day, they might select "10". At the beginning of the lesson, allow students to place the marker on the area of the chart that best represents their knowledge level.

After the class, allow students to revisit the Consensogram and rate their knowledge of pedometers using their "after" marker.

Blank Consensogram Example

I am able to describe what energy balance means.									
1	2	3	4	5	6	7	8	9	10
I cannot describe energy balance.									I can describe energy balance.

🟢 Ability or knowledge before lesson   🟦 Ability or knowledge at end of lesson