# Building a Concept Map

**Directions:** Construct a concept map that answers the focus question and includes all the concepts listed below. Start by copying all the concepts onto "sticky notes". Then arrange the concepts on the board. Make sure that: (a) all the concepts listed below appear only once on your map, (b) all the links are labeled with a linking phrase, and (c) your map makes sense when you read it.

**Focus Question:** How can we classify the ingredients used in an energy bar?

**Ingredients**

- Cherries
- Apples
- Peanuts
- Brown rice syrup
- Cranberries
- Almonds
- Agave syrup
- Prunes
- Flaxseeds
- Honey maple syrup
- Fiber syrup
- Soynuts
- Raisins
- Walnuts
- Blueberries
- Cashews
- Chocolate chips
- Pumpkin seeds
- Apricots
- Bananas
- Chia seeds
- Sun drops
- Coconut
- Pumpkin spice
- Cinnamon

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**Directions:** Use the guide below to construct a concept map that answers the focus question and includes all the concepts listed below. Start by copying all the concepts onto "sticky notes". Then arrange the concepts on the board. Make sure that: (a) all the concepts listed below appear only once on your map, (b) all the links are labeled with a linking phrase, and (c) your map makes sense when you read it.

**Focus Question:** What are inequalities?

Concepts:

- Inequalities
- Interval notation
- Graphs on the coordinate plane
- Graphs on the number line
- Using properties of inequalities
- If a<b then a+c<b+c
- If a>b then a+c>b+c
- If a>b then ac<bc and a/c < b/c iff c<0
- If a<b then ac<bc and a/c<b/c iff c>0
- If a<b then ac>bc and a/c>b/c iff c<0
- If a>b then ac>bc and a/c>b/c iff c>0
- A<b
- B-a is a positive number
- B>a
- A is less than b
- A>b
- A-b is a positive number
- B<a
- A is greater than b