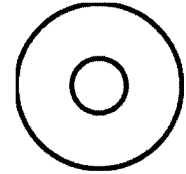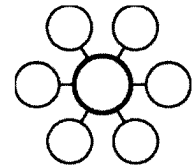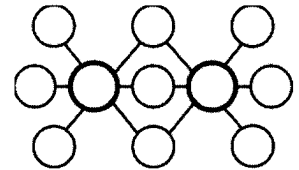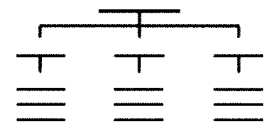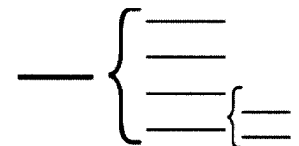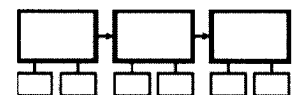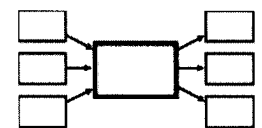| QUESTIONS FROM TEXTS, TEACHERS AND TESTS	THINKING PROCESSES	THINKING MAPS AS TOOLS	
How are you defining this thing or idea? What is the context? What is your frame of reference?	**DEFINING IN CONTEXT**	Circle Map	
How are you describing this thing? Which adjectives would best describe this thing?	**DESCRIBING QUALITIES**	Bubble Map	
What are the similar and different qualities of these things? Which qualities do you value most? Why?	**COMPARING AND CONTRASTING**	Double Bubble Map	
What are the main ideas, supporting ideas and details in this information?	**CLASSIFYING**	Tree Map	
What are the component parts and subparts of this whole physical object?	**PART-WHOLE**	Brace Map	
What happened? What is the sequence of events? What are the substages?	**SEQUENCING**	Flow Map	
What are the causes and effects of this event? What might happen next?	**CAUSE AND EFFECT**	Multi-Flow Map	
What is the analogy being used? What is the guiding metaphor?	**SEEING ANALOGIES**	Bridge Map	Relating Factor
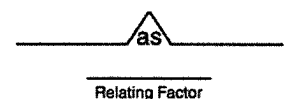
AN OVERVIEW OF ALL 8 THINKING MAPS

The following examples provide a brief overview of the eight
Thinking Maps based on the topic of food.

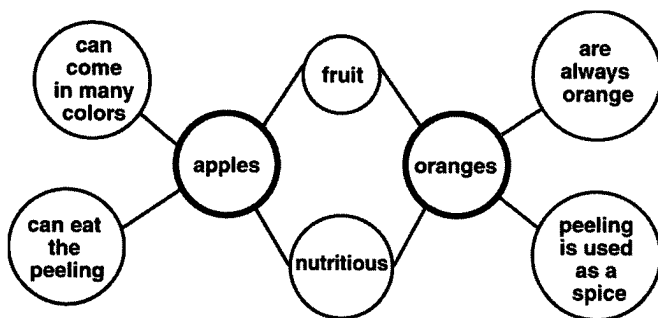## The **Circle Map** is for **Brainstorming** or **Defining in Context.**

essential
for
survival

is classified
into groups
for nutritional
purposes

FOOD

our choices are
influenced by
our culture and
experiences

can be
healthy or
unhealthy

delicious

"What facts, details, or key information
do you know about food?"

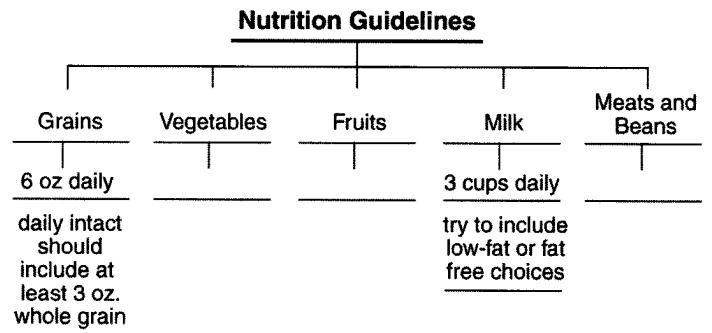## The **Bubble Map** is for **Describing** using adjectives or adjective phrases.

orange

naturally
sweet

juicy

Oranges

messy

round

nutritious
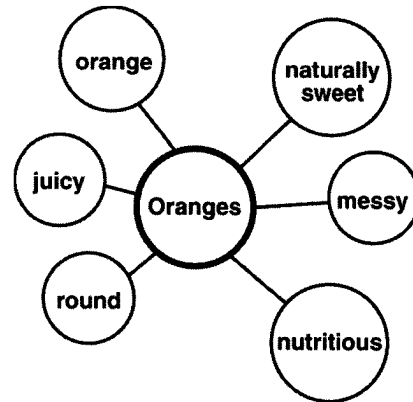
"What adjectives would you use to
describe an orange?"

The **Double Bubble Map** is for **Comparing and Contrasting.**

can
come
in many
colors

fruit

are
always
orange

apples

oranges

can eat
the
peeling

nutritious

peeling
is used
as a
spice

"What are the similarities and
differences between an apple
and an orange?"

The **Tree Map** is for **Classifying.**

Nutrition Guidelines

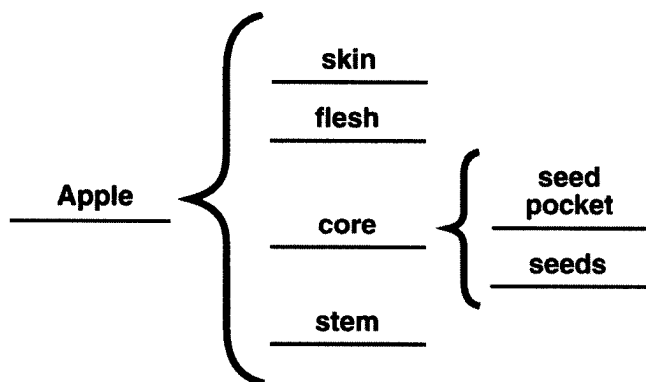| Grains	Vegetables	Fruits	Milk	Meats and Beans
6 oz daily			3 cups daily	
daily intact should include at least 3 oz. whole grain			try to include low-fat or fat free choices	

"How could you classify the different
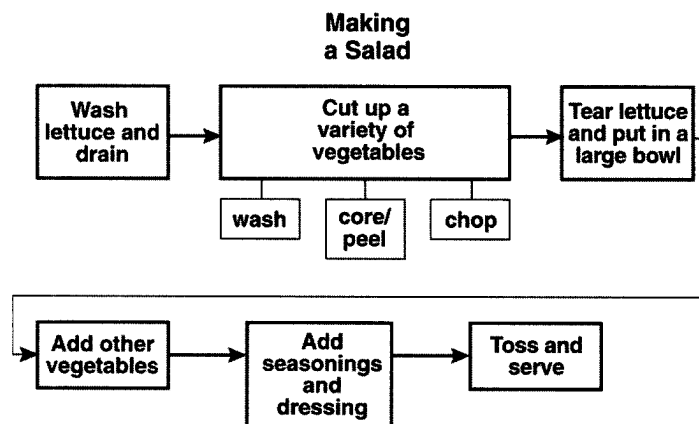food groups?"

"What are some details about each
group?"

AN OVERVIEW OF ALL 8 THINKING MAPS

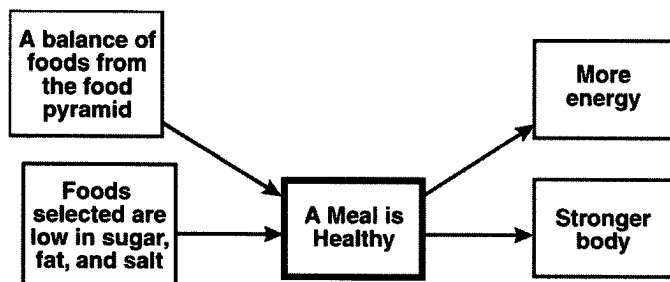The **Brace Map** is used for seeing the structural analysis of **Whole to Parts** relationships.

Apple
- skin
- flesh
- core
  - seed pocket
  - seeds
- stem

"What are the parts and subparts of an apple?"

The **Flow Map** is used for **Sequencing.**

Making a Salad

Wash lettuce and drain → Cut up a variety of vegetables → Tear lettuce and put in a large bowl

wash | core/peel | chop

Add other vegetables → Add seasonings and dressing → Toss and serve

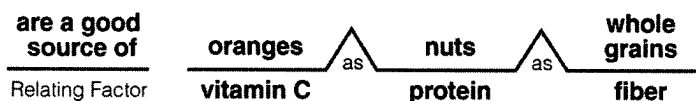"What are the steps you would follow in order to make a salad?"

The **Multi-Flow Map** is used for analyzing **Cause and Effect** relationships.

A balance of foods from the food pyramid →
Foods selected are low in sugar, fat, and salt →
A Meal is Healthy →
More energy
Stronger body

"What causes a meal to be healthy?"
"What is the impact of a healthy meal?"

The **Bridge Map** is used for **Seeing Analogies**

are a good source of

Relating Factor

oranges / vitamin C — as — nuts / protein — as — whole grains / fiber

"What is the relationship between an orange and vitamin C?
What other foods have similar nutritional relationships?"