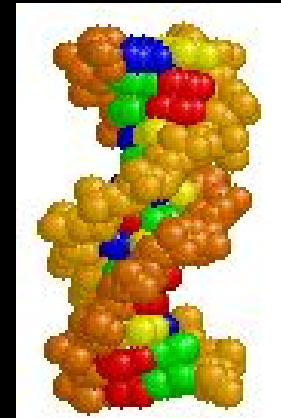
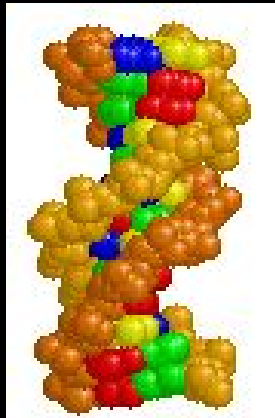


Characteristics of Living Things



Unit 7

FOLDABLE

***Fold your paper hot dog style**

***You will cut 5 even flaps into one of the hot dog buns**

***On each outside flap you will write one of the following characteristic:**

Reproduce, Adapt, Respond, Energy, Growth

***On the inside of the flaps you will need to explain or define the term**

***Underneath the flaps on the uncut side of your foldable you will need to draw a very neat picture of your plant or animal showing the characteristic.**

**(For the reproduction picture you will show the offspring or the young ones)
Yeah yeah yeah**

***On the back of your foldable you will title it Characteristics of Living Things and write your first and last name.**

What is Biology?

- **Biology** → **study of living things**
- **Bio = Life**
- **ology = study of**

Living vs. Nonliving

Living things

- **Biotic**
- **Called organisms**
- **Examples:**

- **Plants**
- **Animals**



Non-living things

- **Abiotic**
- **“A” = no; not**
- **Examples:**

- **Soil**
- **Rocks**
- **Water**
- **Air**



Characteristics of Living Things

- **R – reproduce – allows for survival of the species**
 - **Importance: Prevents Extinction**



Characteristics of Living Things

- **R – reproduce**
- **A – adapt – long-term change based on environmental cues**
 - **Importance:**
Organisms adapt for protection/survival



Characteristics of Living Things

- **R – reproduce**
- **A – adapt**
- **R – respond – short-term change based on a stimulus**
 - **Importance:**
 - **allows living things to adapt to changes**
 - **protects**



Characteristics of Living Things

- **R – reproduce**
- **A – adapt**
- **R – respond**
- **E – energy – to consume or make food so the body can do work**



Characteristics of Living Things

- **R – reproduce**
- **A – adapt**
- **R – respond**
- **E – energy**
- **H – homeostasis – to maintain a balance within a body**
 - **Importance: helps living thing stay regulated**



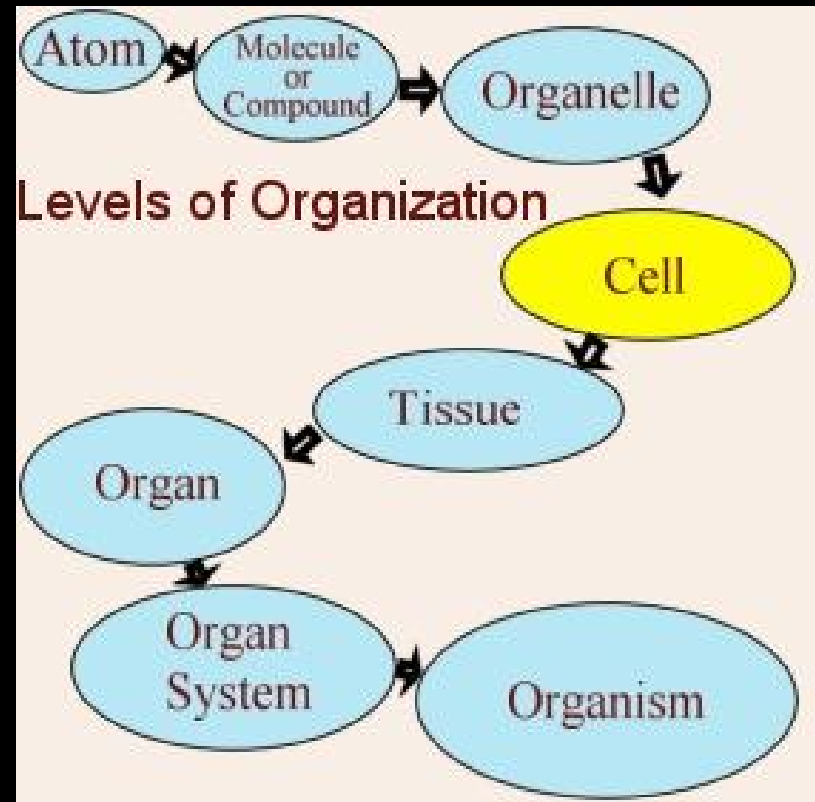
**Sweating –
reduces body
temperature**



**Shivering –
warms up
body**

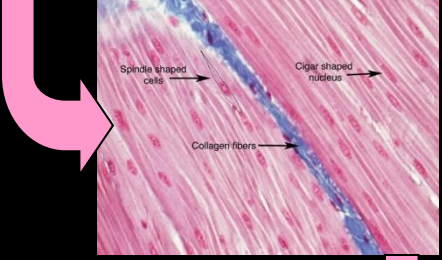
Characteristics of Living Things

- **R** – reproduce
 - **A** – adapt
 - **R** – respond
 - **E** – energy
 - **H** – homeostasis
 - **O** – organized
 - Living things are
- Complex and are made up of many levels**





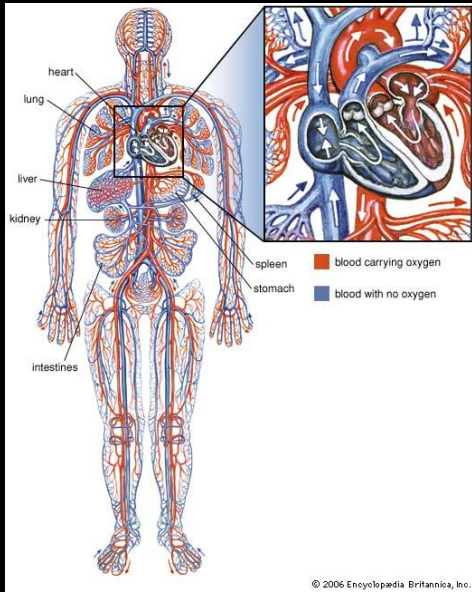
CELLS



TISSUES



ORGANS



ORGAN SYSTEM



ORGANISM

Levels of Organization

Characteristics of Living Things

- **R** – reproduce
- **A** – adapt
- **R** – respond
- **E** – energy
- **H** – homeostasis
- **O** – organized
- **G** – growth & development



Grow – to get larger in size; body size



Develop – to change due to hormonal or mental cues