2.07 Remember the structures of the digestive system
Essential Question

What are the structures of the digestive system?

2.07 Remember the structures of the digestive system
Structures of the digestive system

Digestive system

- Also known as:
  - Alimentary Canal
  - Digestive Tract
  - Gastrointestinal Tract
    - Upper GI
    - Lower GI

- Approximately 30’ in length from mouth to anus
Structures of the digestive system

Primary structures
- Mouth
- Esophagus
- Stomach
- Small intestines
- Large intestines

Accessory structures
- Tongue
- Teeth
- Salivary glands
- Pancreas
- Liver
- Gall bladder

2.07 Remember the structures of the digestive system
Structures of the digestive system

Mouth

- (buccal cavity)
  - Tongue
  - Teeth
  - Salivary Glands
  - Palate
  - Uvula

2.07 Remember the structures of the digestive system
Structures of the digestive system

Tongue

- Attached to floor of mouth
- Made of skeletal muscle attached to four bones
- Taste buds on the surface
  - Sweet
  - Sour
  - Bitter
  - Salty
Structures of the digestive system

Teeth

- **Primary** (deciduous)
  - 20 “baby teeth”
- **Secondary** (permanent)
  - 32 “adult teeth”

**Did you know???
Canine teeth are also known as cuspsids and eye teeth.**
Structures of the digestive system

- Salivary glands
  - Parotid gland
    - Largest salivary gland
  - Submandibular gland
  - Sublingual gland
Structures of the digestive system

**Palate**
- Hard
- Soft

**Uvula**
- Flap of skin hanging in the back of the throat

2.07 Remember the structures of the digestive system
Structures of the digestive system

- **Pharynx (throat)**
  - Nasopharynx
  - Oropharynx
  - Hypopharynx
Structures of the digestive system

- **Esophagus**
  - Muscular tube, 10” long
  - Connects the pharynx and stomach
- Esophageal wall layers
  - Mucosa
  - Submucosa
  - Muscular
  - External serous

2.07 Remember the structures of the digestive system
Structures of the digestive system

- **Stomach**
  - Upper left quadrant of the abdominal cavity
  - Fundus
  - Body
  - Pylorus
  - Cardiac Sphincter
  - Pyloric Sphincter
  - Rugae

2.07 Remember the structures of the digestive system
Structures of the digestive system

- **Small intestines**
  - **Duodenum**
    - First segment
    - 12” long
  - **Jejunum**
    - Second segment
    - 8’ long
  - **Ileum**
    - Third segment
    - 10-12’ long

2.07 Remember the structures of the digestive system
Structures of the digestive system

Accessories...

- **Pancreas**
  - Secretes digestive enzymes
  - Located behind stomach

- **Liver**
  - Largest organ of body
  - Connects to gall bladder and small intestine by ducts

- **Gall Bladder**
  - Stores and concentrates bile until needed by body
Structures of the digestive system

- **Large intestines**
  - Approximately 2” in diameter
  - 5’ long
Structures of the digestive system

Check your knowledge...
Essential Question

What are the structures of the digestive system?