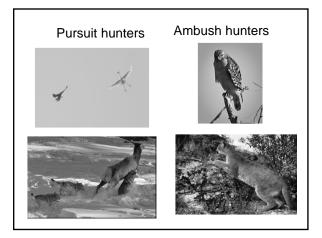
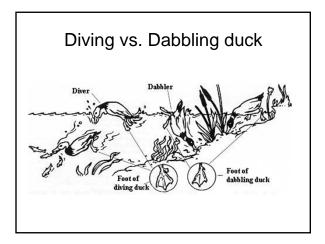
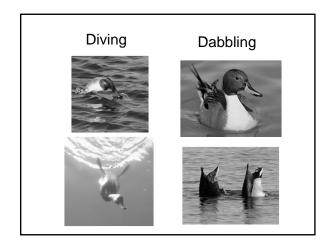


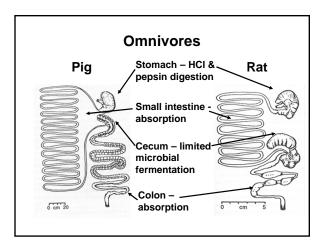
#### Hunting styles of carnivores & omnivores Chasing or pursuit Ambush or "sit and wait" hunters or still hunters • Chase prey • Hide & wait for prey to come within striking • Often work in distance cooperatively in Often camouflaged & groups

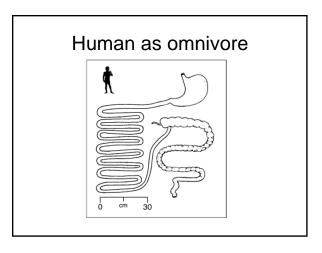
- Most efficient when move faster than preferred prey, or prey are sick or weak
- solitary
- Most efficient when can't move faster than preferred prey)

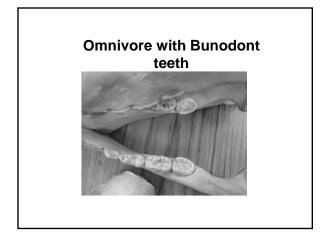


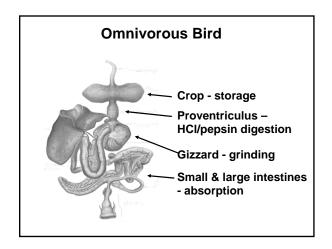


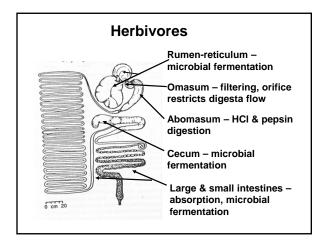


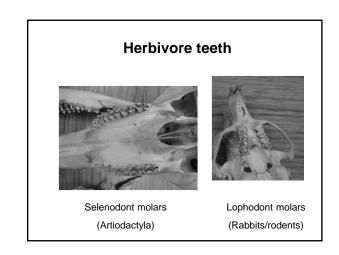


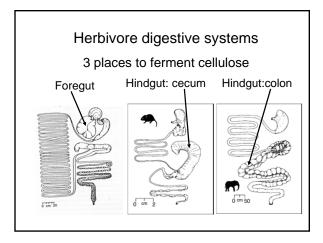




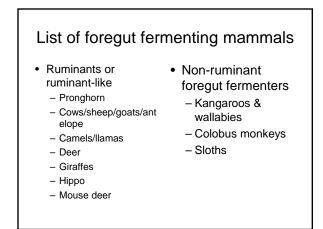


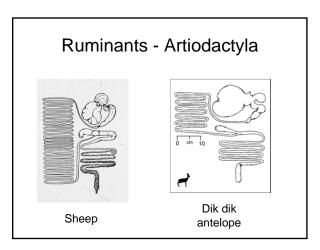


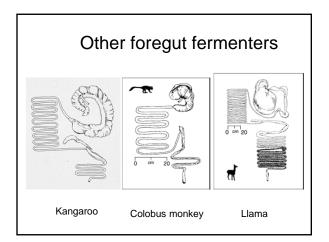


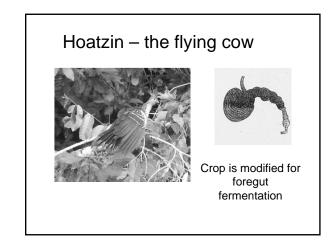


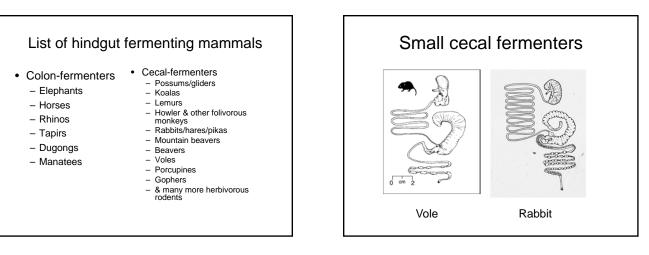
Foregut	Cecum	Colon
<ul> <li>Fermented before digested, often ruminated</li> <li>Slow passage, low intake</li> <li>Uses microbial protein &amp; energy</li> <li>Efficient digestion of cellulose</li> <li>Inefficient digestion of cell solubles</li> <li>Medium to large herbivores</li> <li>Moderate quality food</li> </ul>	<ul> <li>Digested before fermented</li> <li>Faster passage, moderate intake</li> <li>If cecatrophic, uses microbial protein &amp; energy</li> <li>Less efficient digestion of cellulose</li> <li>Efficient digestion of cell solubles</li> <li>Small herbivores</li> <li>Highest quality food</li> </ul>	<ul> <li>Digested before fermented</li> <li>Fast passage, high intake</li> <li>Doesn't use microbial protein &amp; energy</li> <li>Less efficient digestion of cellulose</li> <li>Efficient digestion of cell solubles</li> <li>Large to very large herbivores</li> <li>Low quality food</li> </ul>

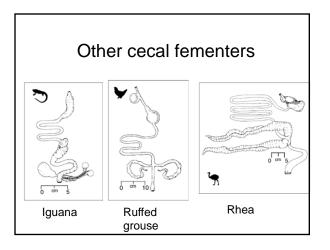


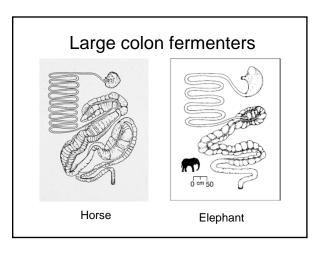


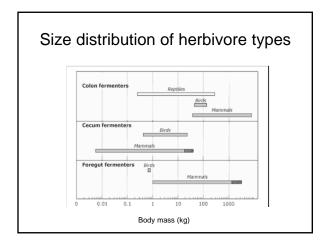












# Differences between grasses and browses

### • Browses

• Grasses - Thick cell wall

wall

Silica

- More cellulose in cell
- More lignin in cell wall - Phenolics, terpenes, &

# other toxins

- Thin cell wall



### Browser-grazer continuum Browser Grazer Intermediate feeder ≻70% dicots ≻70% monocots Mix of dicots & monocots ≻Usually small ≻Usually large Usually medium-sized





### Browsers

- Narrower muzzle & incisors to select highquality leaves

- Small, simple foregut w/larger reticular-omasal orifice which increases digestion of cell solubles at the expense of cell wall

- Larger parotid salivary glands that produce tannin-binding proteins

#### Grazers

- Wide muzzle & incisors to maximize intake rate on grass swards
- Large, subdivided foregut w/small reticular-omasal orifice giving time for more efficient digestion of cellulose
- Small parotid salivary glands, that do not produce tannin-binding proteins

