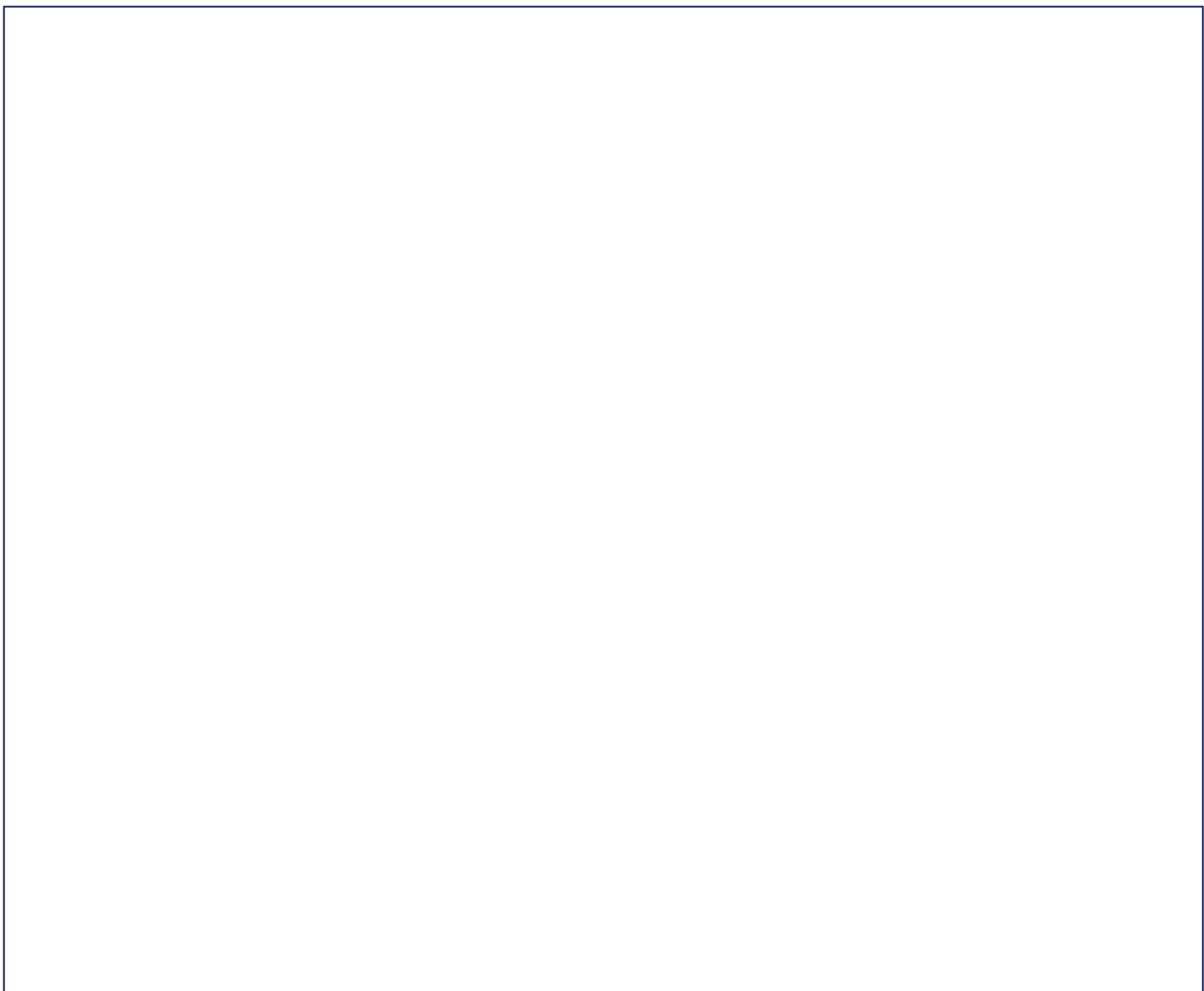


# Nova's Dental Discovery: The Science of Teeth

*Learning objective: To identify and describe the functions of different types of human teeth in the digestive system.*

Follow the drawing prompt to illustrate the human set of teeth. Use your labels to explain how each type of tooth helps us consume a balanced diet.

**Draw:** Draw a clear, large-scale diagram of an open human mouth showing the full set of adult teeth. Use a clean, scientific illustrative style. Ensure you clearly distinguish the sharp, chisel-like incisors at the front, the pointed canines, and the flatter, broader premolars and molars at the back. Include a separate 'zoomed-in' cross-section drawing of a single molar to show the internal layers: the protective enamel, the inner dentine, and the central pulp containing nerves and blood vessels.



*Label words: Incisors · Canines · Premolars · Molars · Enamel · Dentine · Pulp · Gums*

## Steps:

1. Label your drawing to show where the incisors and molars are located. Explain why incisors are shaped differently to molars based on the food they bite or grind.
2. Compare and contrast the function of a canine tooth with a premolar. Why do we need both for effective digestion?

3. Justify why the outer layer of a tooth (enamel) is the hardest substance in the human body.
4. What might happen to the digestive process if a human only possessed incisors and no molars? Explain your reasoning.
5. Explain why it is essential to maintain good oral hygiene to protect the pulp of the tooth.
6. Create a scientific 'fact file' for a herbivore's teeth compared to a carnivore's teeth. How does their diet dictate their tooth structure?