

Fluoride and Tooth Decay

Beverly Morris
24201 Meridian
Grosse Ile, MI 48138

WHAT IS TOOTH DECAY?

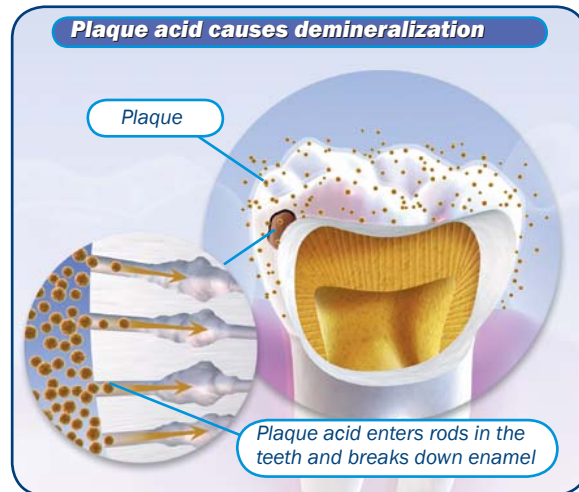
Tooth enamel is hard yet porous. Plaque on the surface of your teeth can produce acids that seep into the pores (rods) of the enamel and break down its internal structure. This process, called **demineralization**, can create a **weak spot** on the surface of the tooth that may become a cavity if left untreated.



Decay enters and infects the pulp



Decay often begins on biting surfaces, between the teeth, on exposed roots, and around existing fillings



Plaque acid causes demineralization

Plaque

Plaque acid enters rods in the teeth and breaks down enamel



Untreated, decay spreads into the tooth and can destroy the tooth structure

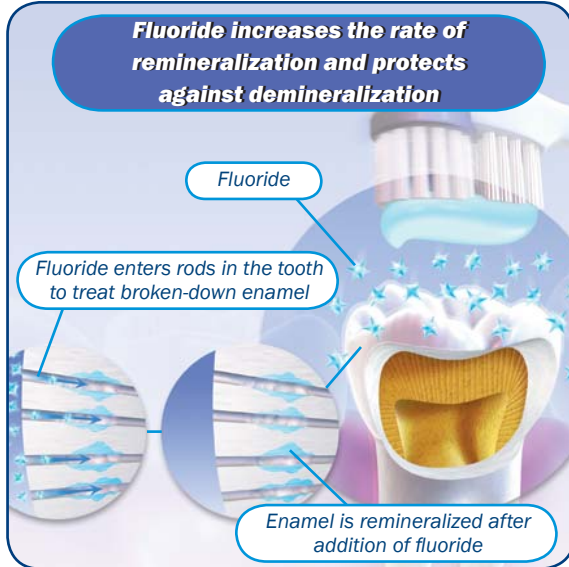
THE ROLE OF FLUORIDE

Fluoride helps prevent tooth decay by slowing the breakdown of enamel and speeding up the **remineralization** process. The new enamel crystals that form are harder, larger, and more resistant to acid.

Brought to you by

Crest **Oral-B**

P&G Professional Oral Health



TREATING AND PREVENTING TOOTH DECAY

Common sources of fluoride are fluoridated drinking water, toothpaste, and mouth rinse. Inform your dentist if your drinking water is not fluoridated. He or she may recommend

that you use high-concentration fluoride gels, mouth rinses, drops, or tablets.

To help strengthen weak spots and exposed roots and prevent the early stages of tooth decay, brush regularly with a fluoridated toothpaste like Crest[®] Cavity Protection. In one study, patients using Crest Cavity Protection developed **41% fewer cavities** than patients using a toothpaste without fluoride.*



Daily brushing with Crest Cavity Protection, as well as regular flossing and professional cleanings, will help prevent cavities and preserve your oral health.

Ask your dental professional how this Crest product can help you:

- Crest Cavity Protection

* Jensen ME, Kohout F. The effect of a fluoridated dentifrice on root and coronal caries in an older adult population. *J Am Dent Assoc.* 1988;117:829-832.

Brought to you by

Crest Oral-B

P&G Professional Oral Health