

Kingdom Protista

Chrysophytes: Diatoms and Golden Algae

Microscopic Plankton Dossier



The Members of Chrysophytes



Diatoms

The primary focus of this group, characterized by their indestructible, unique cell walls.



Golden Algae desmids

The secondary members of the Chrysophyte group, sharing key microscopic traits.

Habitat and The Planktonic Lifestyle



They thrive across both aquatic environments.



plankton

They are microscopic and float passively in water currents.



You've Learned the Theory. Let's Test Them Now.

$$E=mc^2$$



Turn theory into marks with **unlimited MCQs, smart analysis, and focused revision.**

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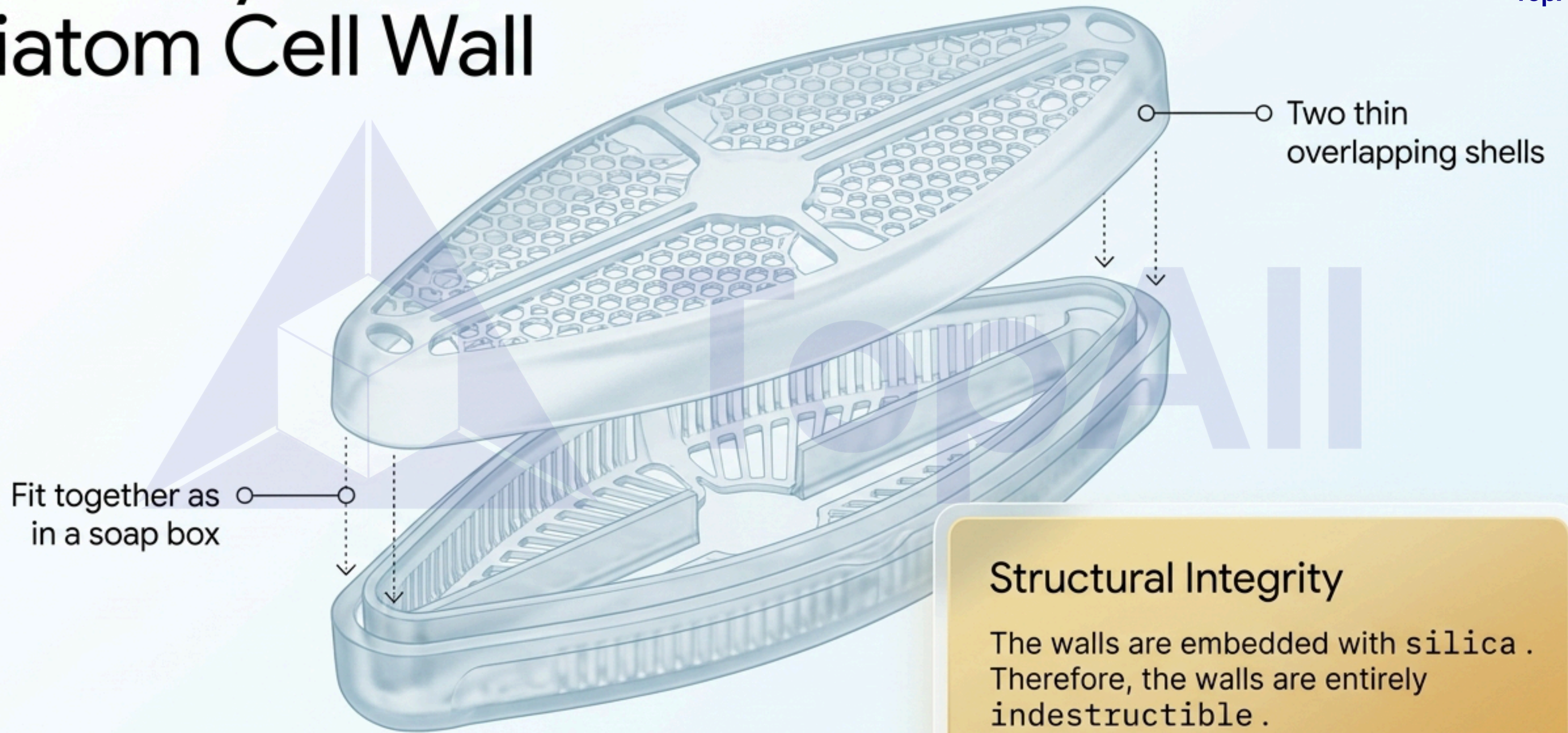
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Key Highlights

- » Free Study Material, Videos & Infographics
- » Push Your Limits with Level-Based Challenges
- » Climb the Leaderboard Among Fellow Aspirants
- » Practice Unlimited MCQs for NEET & JEE
- » Get Clear Explanations, Not Just Marks
- » Track Your Performance Smarter



Anatomy of the Diatom Cell Wall



Structural Integrity

The walls are embedded with silica .
Therefore, the walls are entirely indestructible .

Deep Time: The Accumulation of Shells



Forms **diatomaceous earth**.

Economic Utility of Diatomaceous Earth

Because this soil accumulation is gritty and highly porous, it has three primary industrial uses.



Polishing

The gritty texture acts as a powerful micro-abrasive.



Filtration of Oils



Filtration of Syrups

Ecological Masterpiece

Diatoms are the chief producers in the oceans.

Despite being microscopic, their massive, planktonic populations conduct a vast majority of the ocean's photosynthesis, forming the foundational base of marine food webs.



You've Learned the Theory.

Now Let's Test It.

Reading notes gets you knowledge.

Practicing MCQs gets you marks.

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Practice the moment you finish studying
Jump in while the concept is still fresh in your head

4.5L+
MCQs

1.5L+
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