

Engaging Students in the Virtual Classroom

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OBJECTIVES

1. Identify the primary drivers of student engagement
2. Describe strategies to promote student engagement on virtual platforms

DRIVERS OF STUDENT ENGAGEMENT

1. Demeanor or attitude of lecturer
2. Ability to follow along and absorb content
3. Utilization of interactive approaches and tools
4. Conducive environment for questions & comments

PROMOTING STUDENT ENGAGEMENT

Create a framework that's easy to follow

- Don't overload with content
- Provide clear, organized notes with an outline and objectives
- Make sure the content on the slides are in the notes and presented in the proper sequence
- Use images, figures and tables in place of text

PROMOTING STUDENT ENGAGEMENT

Mix it up with alternative tools and strategies

- Use written or visual cues, *e.g.* highlighting, underlining
- Insert videos: [phagocytosis by neutrophil](#)
- Apply animation tools 
- Employ methods for stimulus → response

PROMOTING STUDENT ENGAGEMENT

Some methods for stimulus → response

- Insert questions into your PowerPoint (low tech and simple) 
- Ask students to vote on chat board on yes/no or agree/disagree types of questions
- Pose questions or problems: ask students to type in answers
- Employ audience response software such as PollEverywhere 

Instaquiz

Which of the following is a ligand for a nuclear hormone receptor?

A. TSH

B. LH

C. Epinephrine

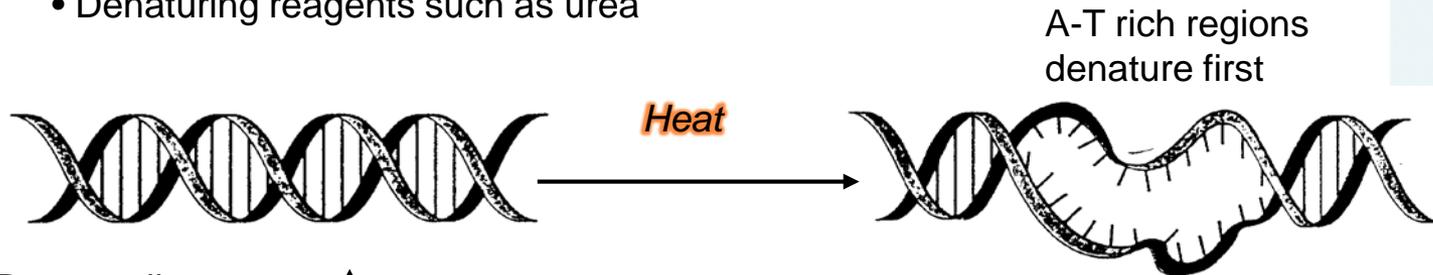
D. Cortisol

E. Growth hormone

Denaturation and Reannealing of DNA

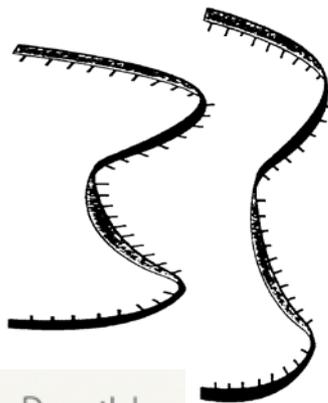
a) Denaturation: Unwinding strands of DNA double helix

- Heating
- Extremes in pH
- Denaturing reagents such as urea

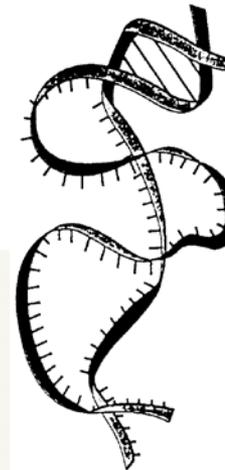


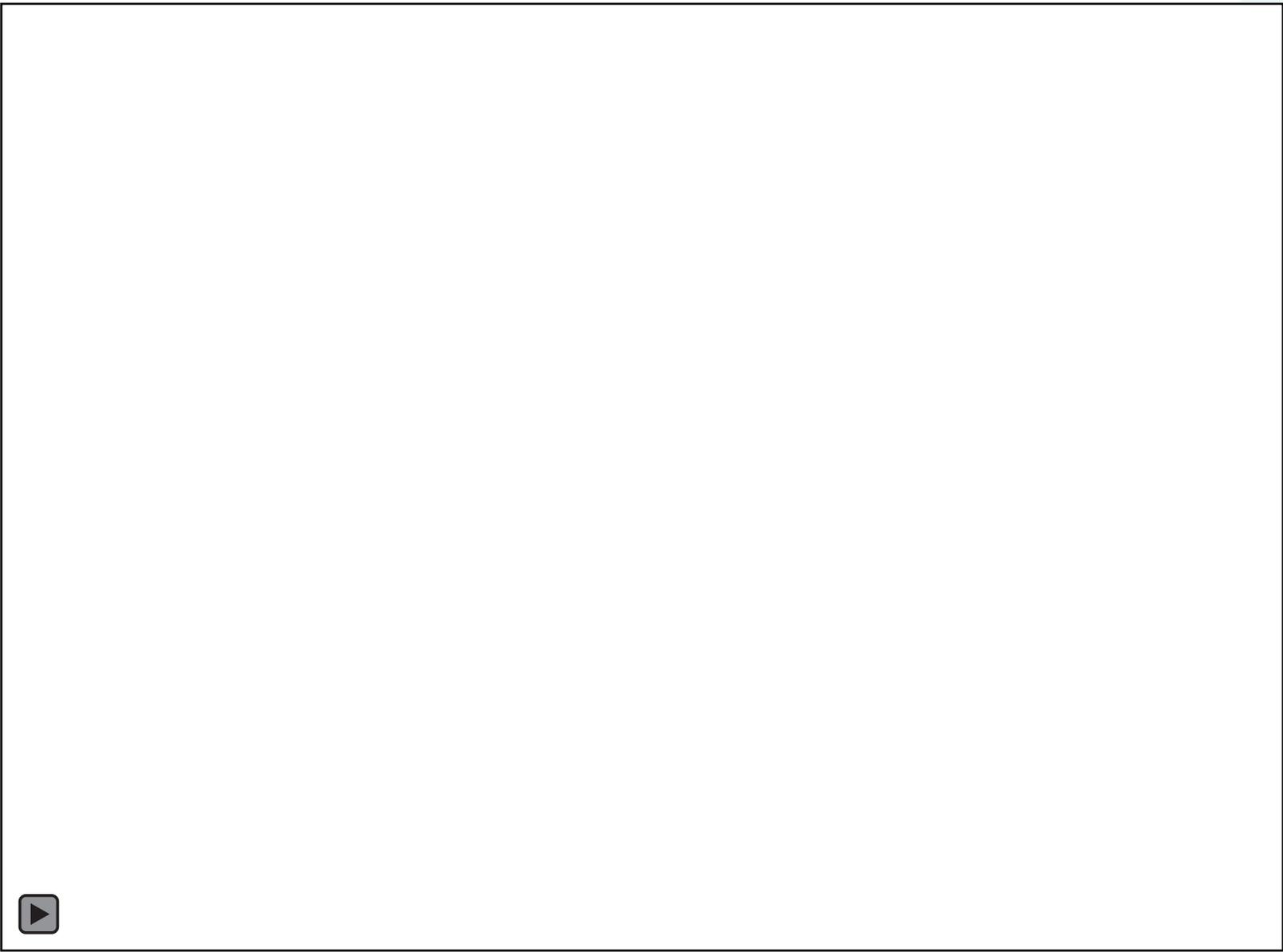
b) Reannealing:
Strands hybridize
by complementary
base pairing

Cool



Cooperative unwinding
of DNA strands





Changing What's Possible.



TAKE HOME MESSAGE

Stimulus



Response