

Data Mining Student Notes and Questions

University of Michigan

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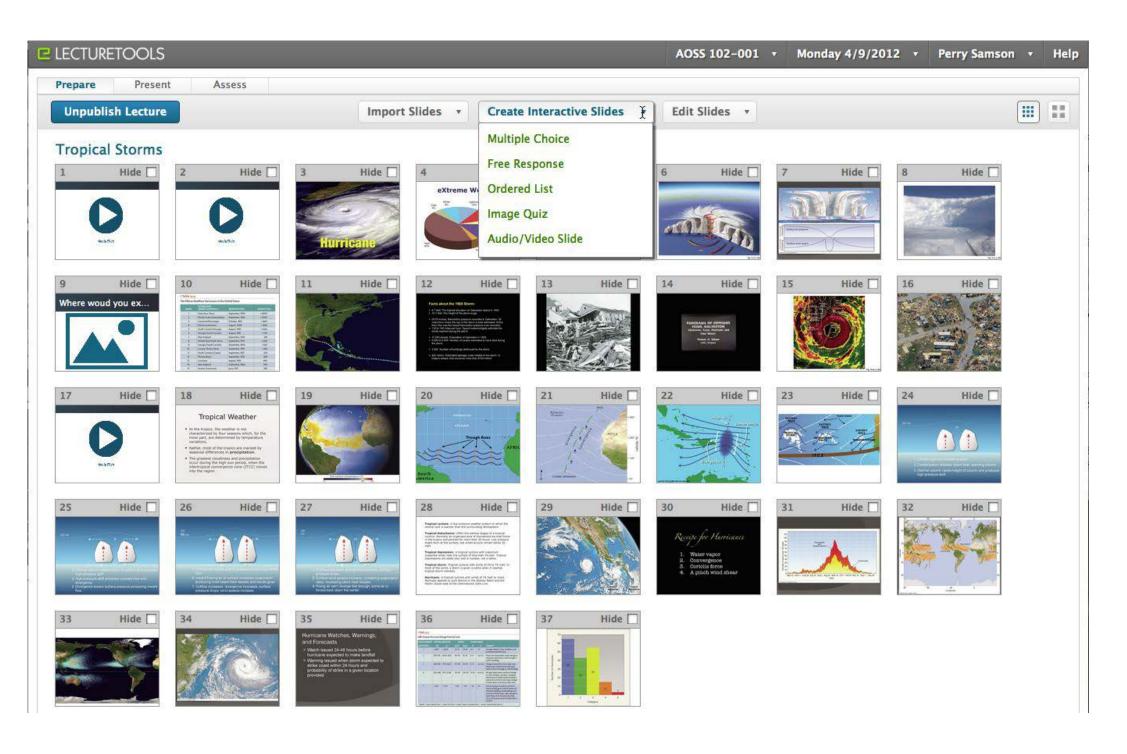
For the Instructor

Goals

- A) Increase options for students to actively participate in class.
- B) Mine student input to provide more informed guidance

Technology

- 1) Prepare Lecture in LectureTools
 - Upload slides as PowerPoint® or PDF file.
 - Add interactive questions and videos.
 - Hide selected slides if desired.



2) Present Lecture

- Show slides/videos
- Reveal questions/hidden slides as desired
- Display results from student answers
- View student questions

3) Viola!

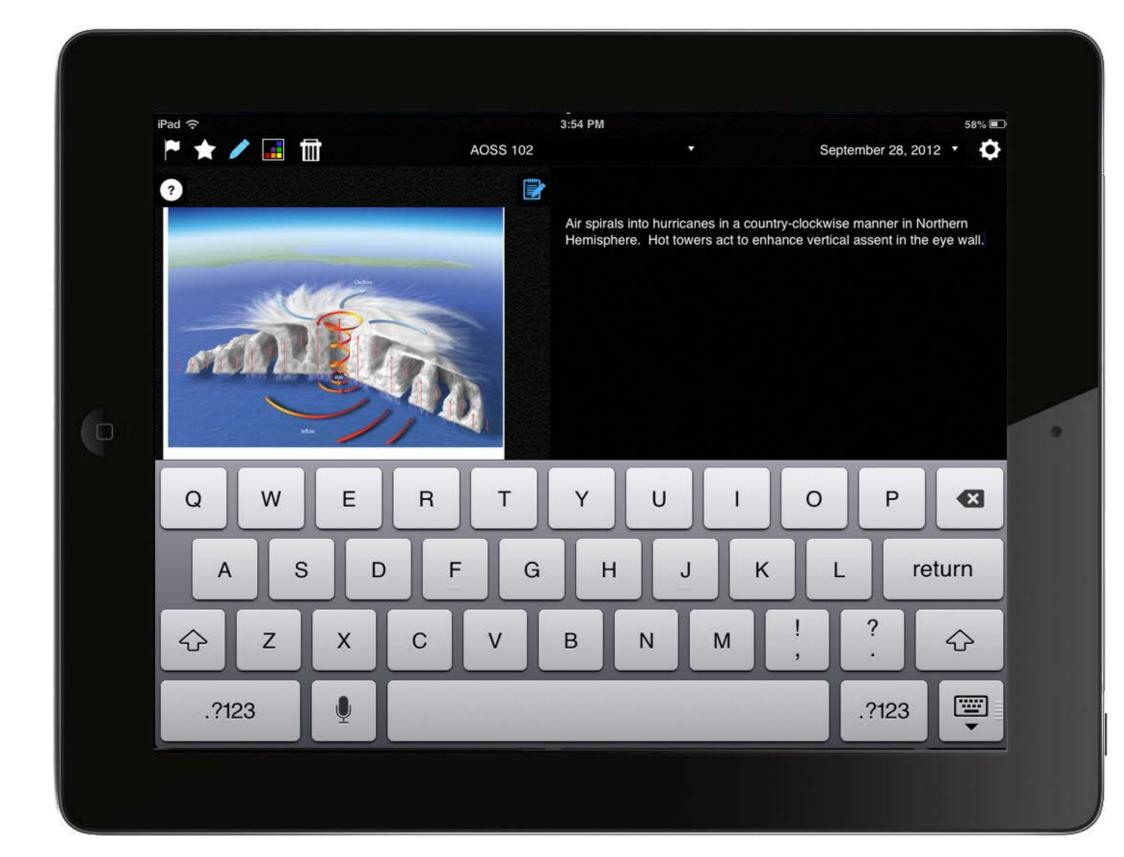
- Students' notes and questions are parsed and mined for keywords and phrases.
- Feedback provided to instructor on what students heard and noted.
- Students' receive "Lecture Cloud" of words with linkages to questions and resources.

4) Review Participation

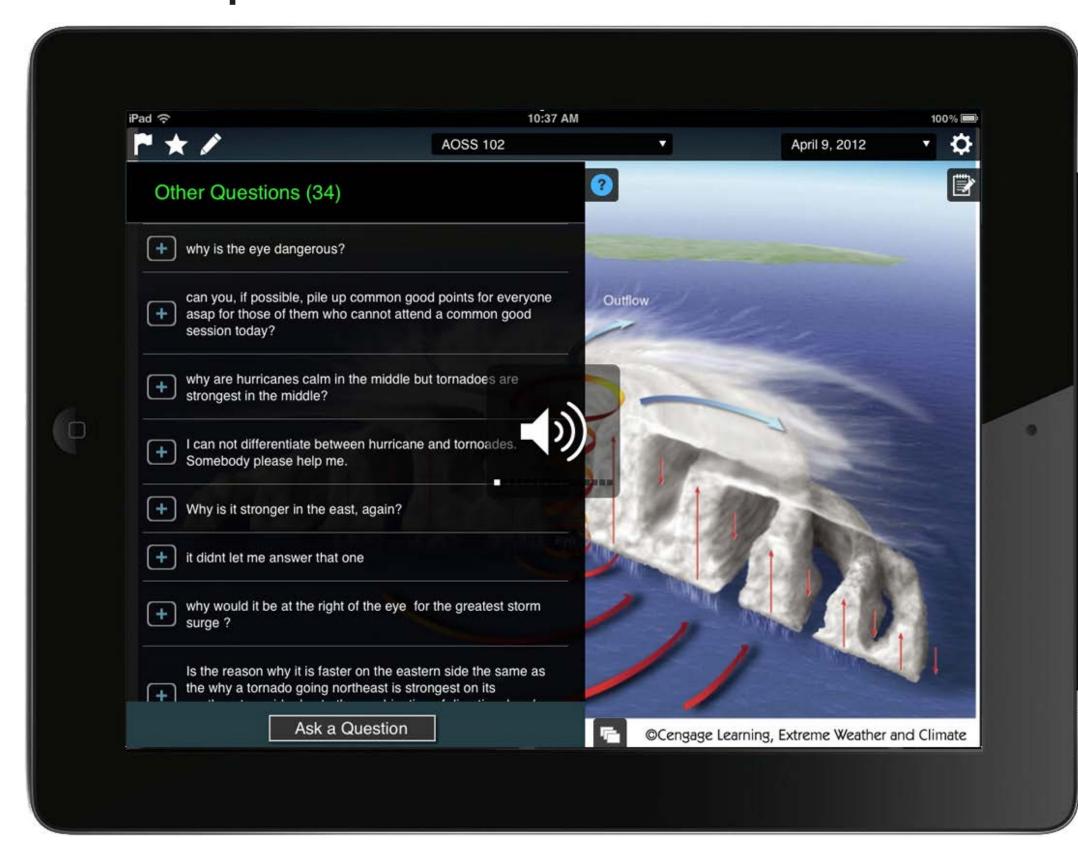
- View attendance
- Review student questions
- Identify slides students found confusing

For the Student

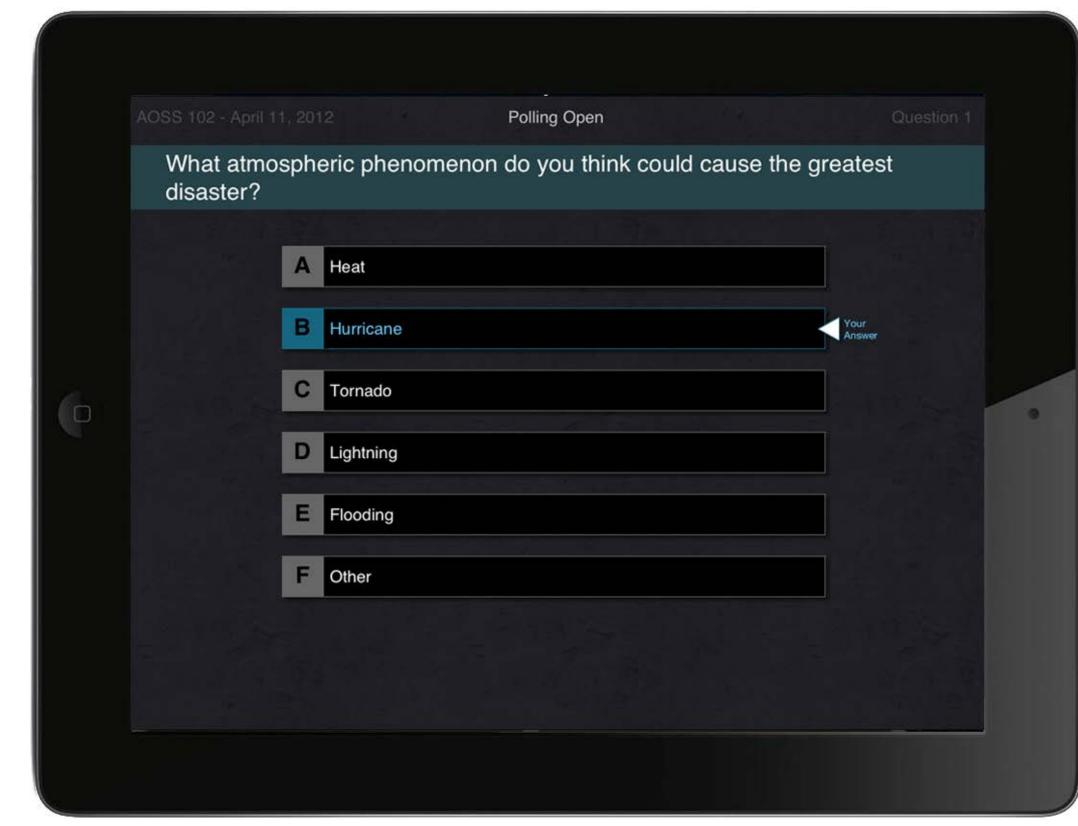
1. Take notes linked to slides



2. Ask questions/See answers

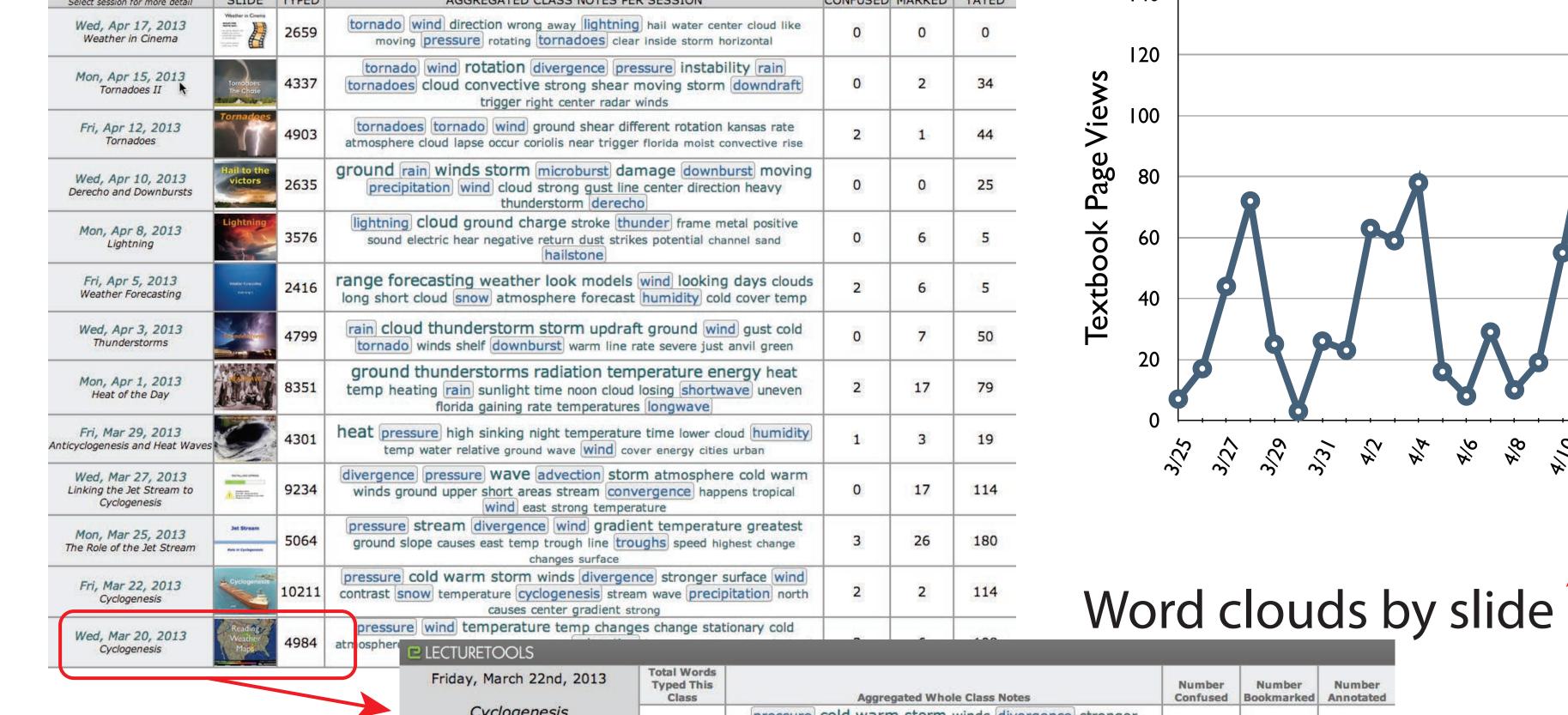


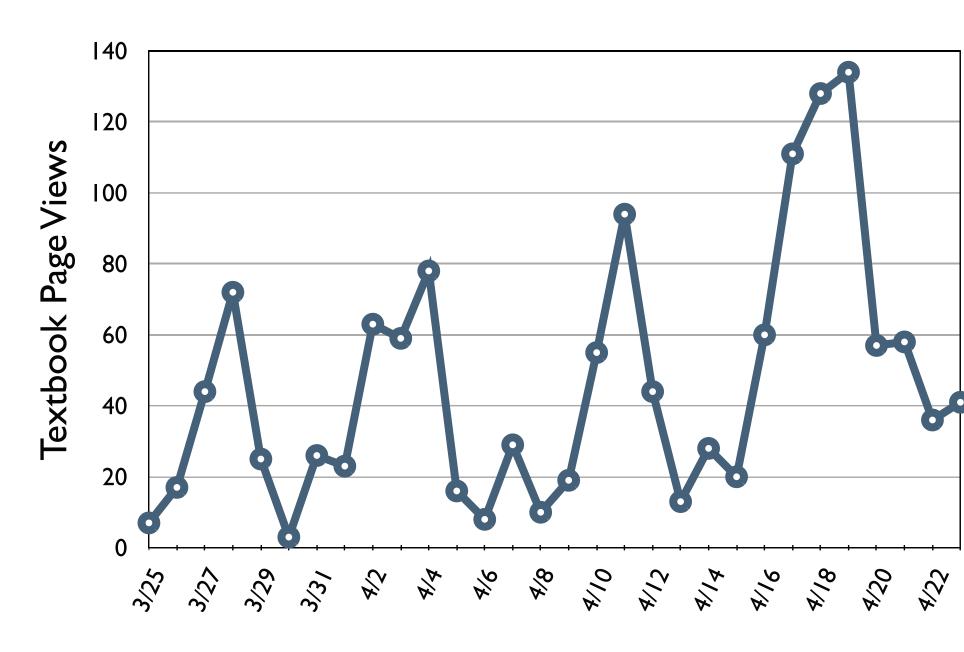
3. Answer instructor questions

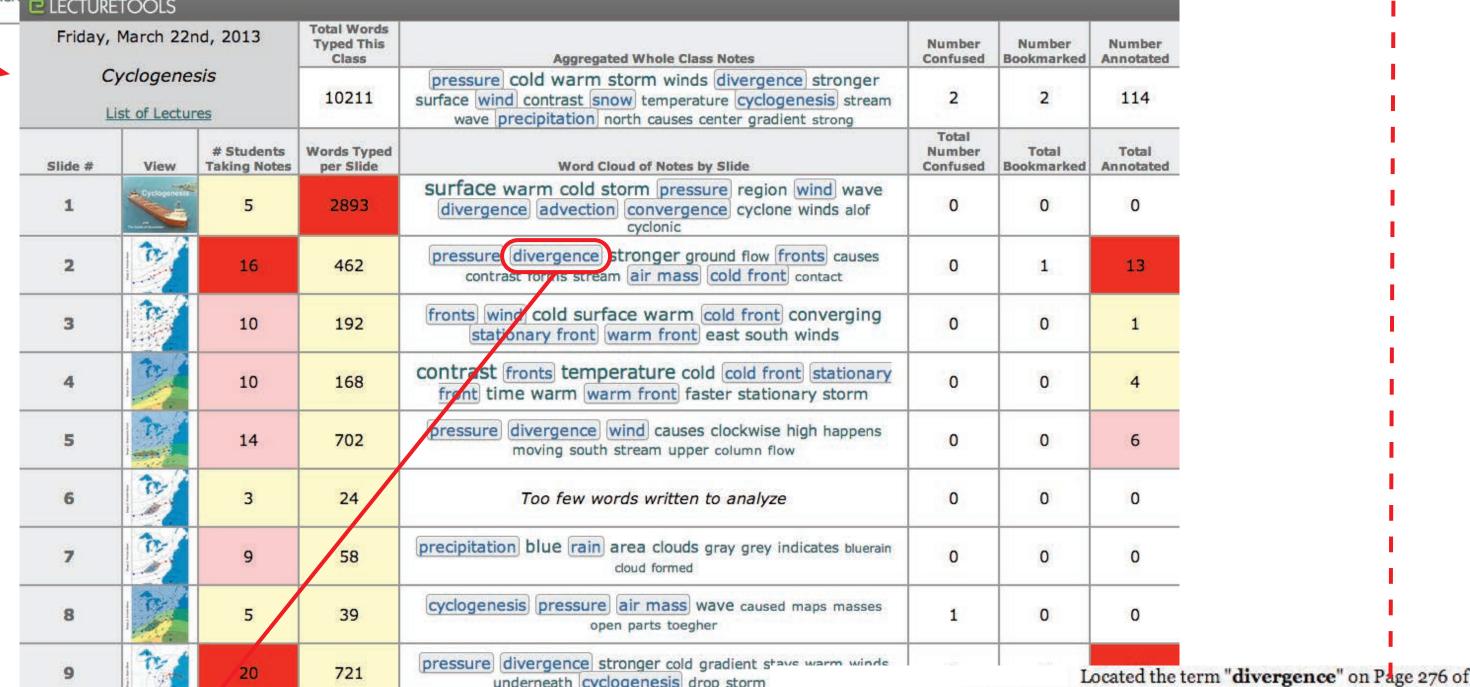


Mining Products

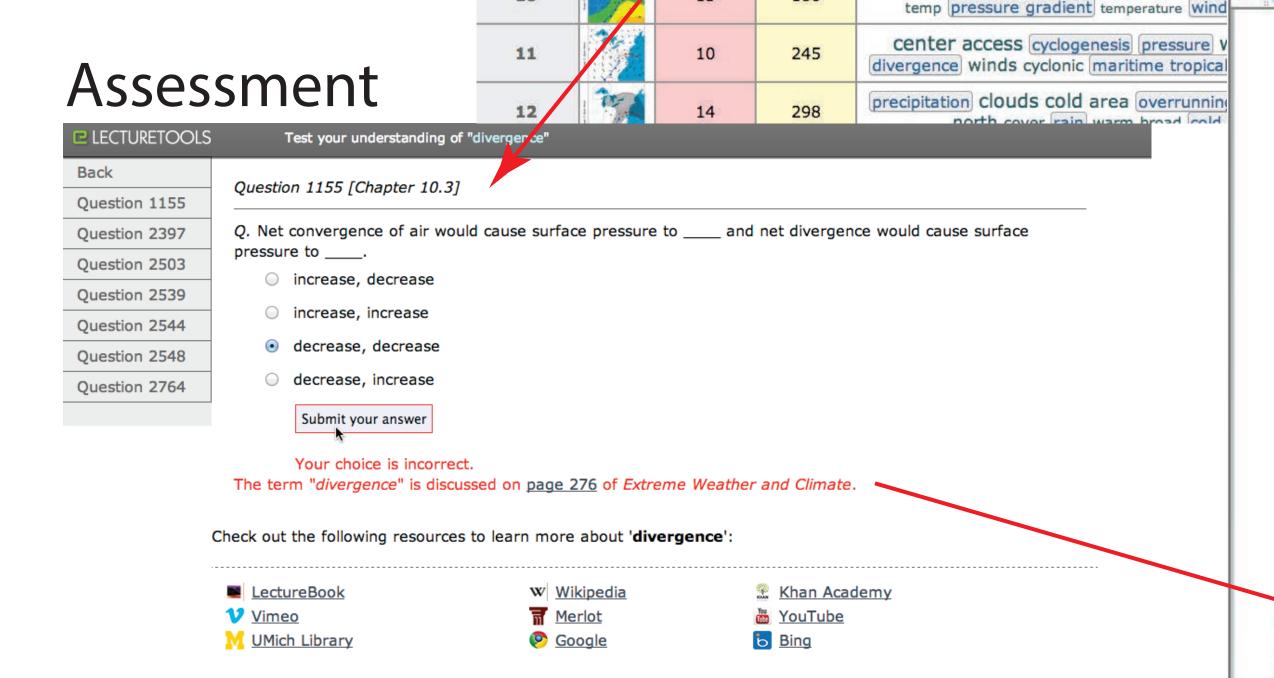


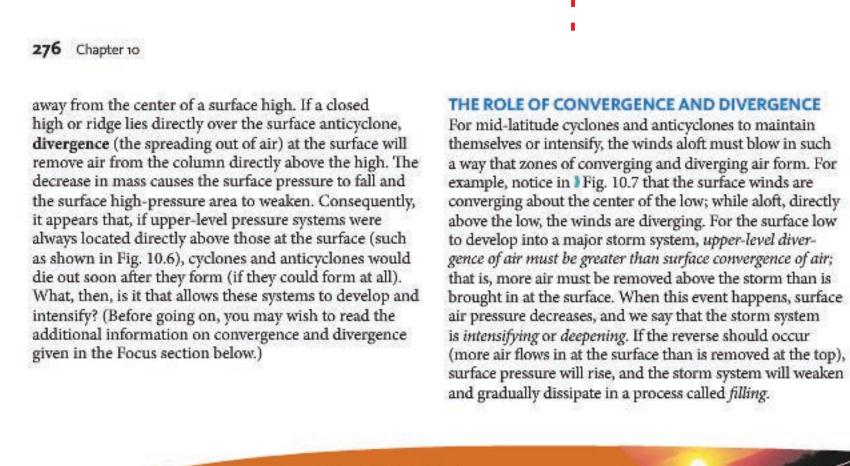






underneath cyclogenesis drop storm



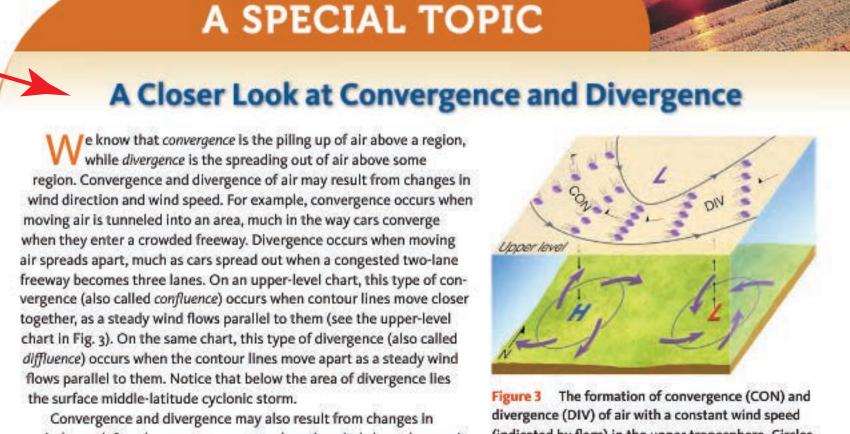


FOCUS ON

Highlight Comment & Strikeout # Draw | Delete

Extreme Weather & Climate, Ahrens & Samson, @2010 Cengage Learning

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(indicated by flags) in the upper troposphere. Circles wind speed. Speed convergence occurs when the wind slows down as it represent air parcels that are moving parallel to the moves along, whereas speed divergence occurs when the wind speeds up contour lines on a constant pressure chart. Below the We can grasp these relationships more clearly if we imagine air molarea of convergence the air is sinking, and we find ecules to be marching in a band. When the marchers in front slow the surface high (H). Below the area of divergence down, the rest of the band members squeeze together, causing the air is rising, and we find the surface low (L). convergence; when the marchers in front start to run, the band members spread apart, or diverge.

CONTRACTOR DESIGNATION OF

Show Annotations

Resources