

QuizCon

Quizzing with Confidence

Use Cases (Pilot Fall 2021)



Sarah Hansen
General Chemistry



Alfredo Spagna
Fundamentals of
Neuropsychology

Based on research from **Sparck, E. M., Bjork, E. L., & Bjork, R. A. (2016)**. *On the learning benefits of confidence-weighted testing*. *Cognitive Research: Principles and Implications*, 1(1), 1-10.

What is QuizCon?

- an online application that connects to CourseWorks
- an alternative to multiple choice quizzing
- utilizes confidence weighted multiple choice questions

What are Confidence Weighted Multiple Choice Questions?

- uses a triangular selection system
- allows students to get partial credit if stuck between two answers
- includes an "I don't know" option that gives a specific amount of partial credit based on confidence

What are the benefits?

- allows students to more accurately represent their understanding
- discourages guessing
- leads to longer term retention of information when used as a learning tool
- less anxiety inducing
- instructors can gain a deeper insight towards identifying misconceptions

How can I get QuizCon?

Email us at: ctl-quizcon@columbia.edu

Features Include:

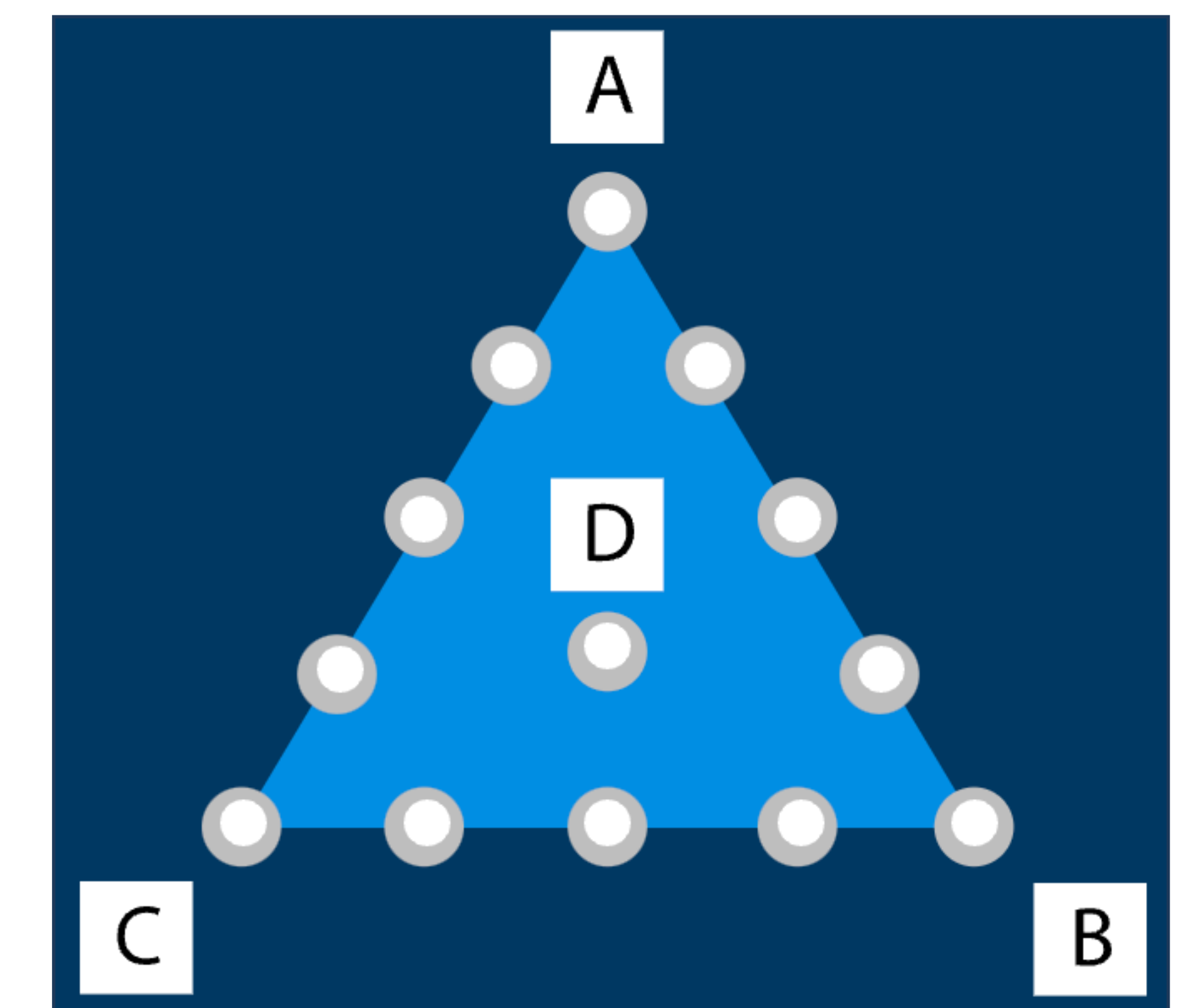
- connections to CourseWorks Assignments and Gradebook
- options for providing feedback and when
- an analytics page for each quiz

Coming Soon (Fall 2022)

- timed quizzes
- multiple attempts

After what stage of a star's cycle does a supernova happen in?

- A. Giant Gas Cloud
- B. White Dwarf
- C. Red Dwarf
- D. I don't know.

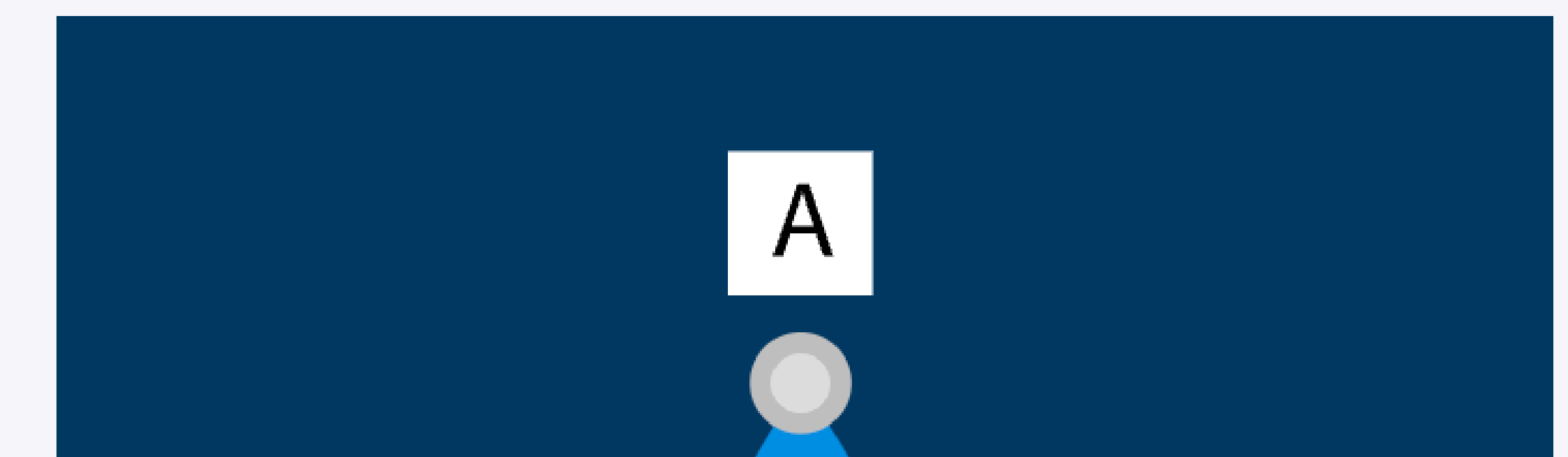


You were confident the answer was between A and B.

4 of 5 points

A supernova is a powerful and luminous stellar explosion. This transient astronomical event occurs during the last evolutionary stages of a massive star or when a white dwarf is triggered into runaway nuclear fusion.

- A. Giant Gas Cloud
- B. **Correct** White Dwarf
- C. Red Dwarf



Confidence	Answer	Points
20.8%	A	5 points
0.0%	AAB	4 points
4.2%	AB	3 points
4.2%	ABB	1 point
16.7%	B	0 points
4.2%	BBC	0 points
8.3%	BC	0 points
0.0%	BCC	0 points
12.5%	C	0 points
0.0%	CCA	0 points
4.2%	CA	0 points
4.2%	CAA	0 points

A Correct

The pH at the anode will NOT CHANGE

B Incorrect

The pH at the anode will INCREASE