

Week of October 26-30

Monday: **LIVE** lesson on PROPERTIES OF WAVES

Tuesday: **LIVE** lesson on PROPERTIES OF WAVES
Graded Assignment - "Tuesday 10/27 Wave Properties"

Wednesday: **Independent Work** – Make sure you have taken notes from Monday and Tuesday's lesson. Upload all "WAVES" notes from last week, Monday, & Tuesday to the "Wednesday 10/28 Assignment - NOTES"

Thursday: **LIVE** lesson on PROPERTIES OF WAVES

Friday: **LIVE** Review Session (**100 pts. Participation Grade if you attend LIVE session**)

TEST on Monday, November 2nd



Week of October 26-30

- ❖ **No** Exit Tickets this week in TEAMS.
- ❖ You will answer the Exit Ticket in Peardeck so I can check for understanding.
- ❖ **No** Weekly Participation Grade this week.
- ❖ You need to **complete graded assignments** to earn grades.
- ❖ **MAKE SURE** YOU COMPLETE THE Attendance Form in your Homeroom to be counted present.

TEST on Monday, November 2nd



Learning Target

I can label the parts of a transverse wave and understand that these properties are associated with all types of waves.

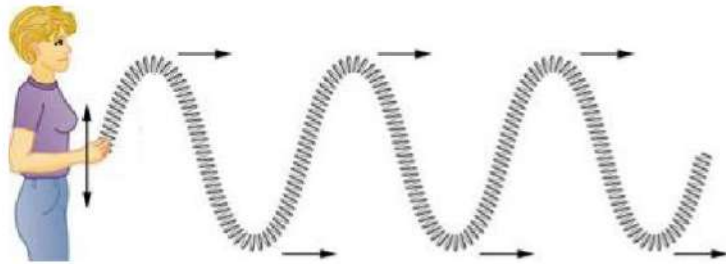
TEST on Monday, November 2nd



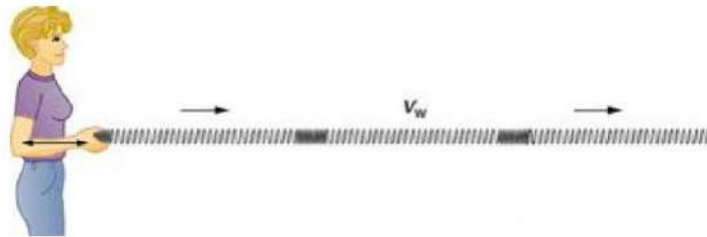
TEST on Monday, November 2nd

Which of these is a transverse wave?

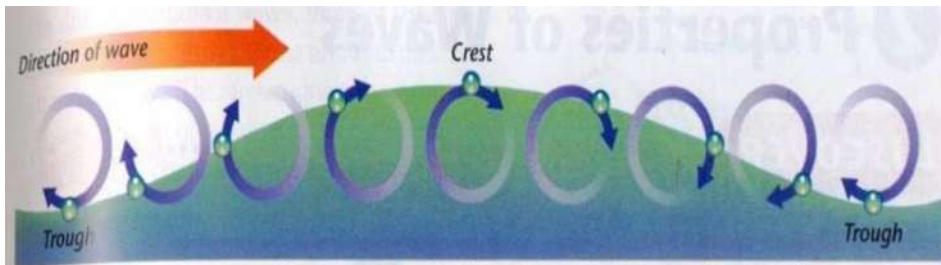
a.



b.



c.



Students, select an option!

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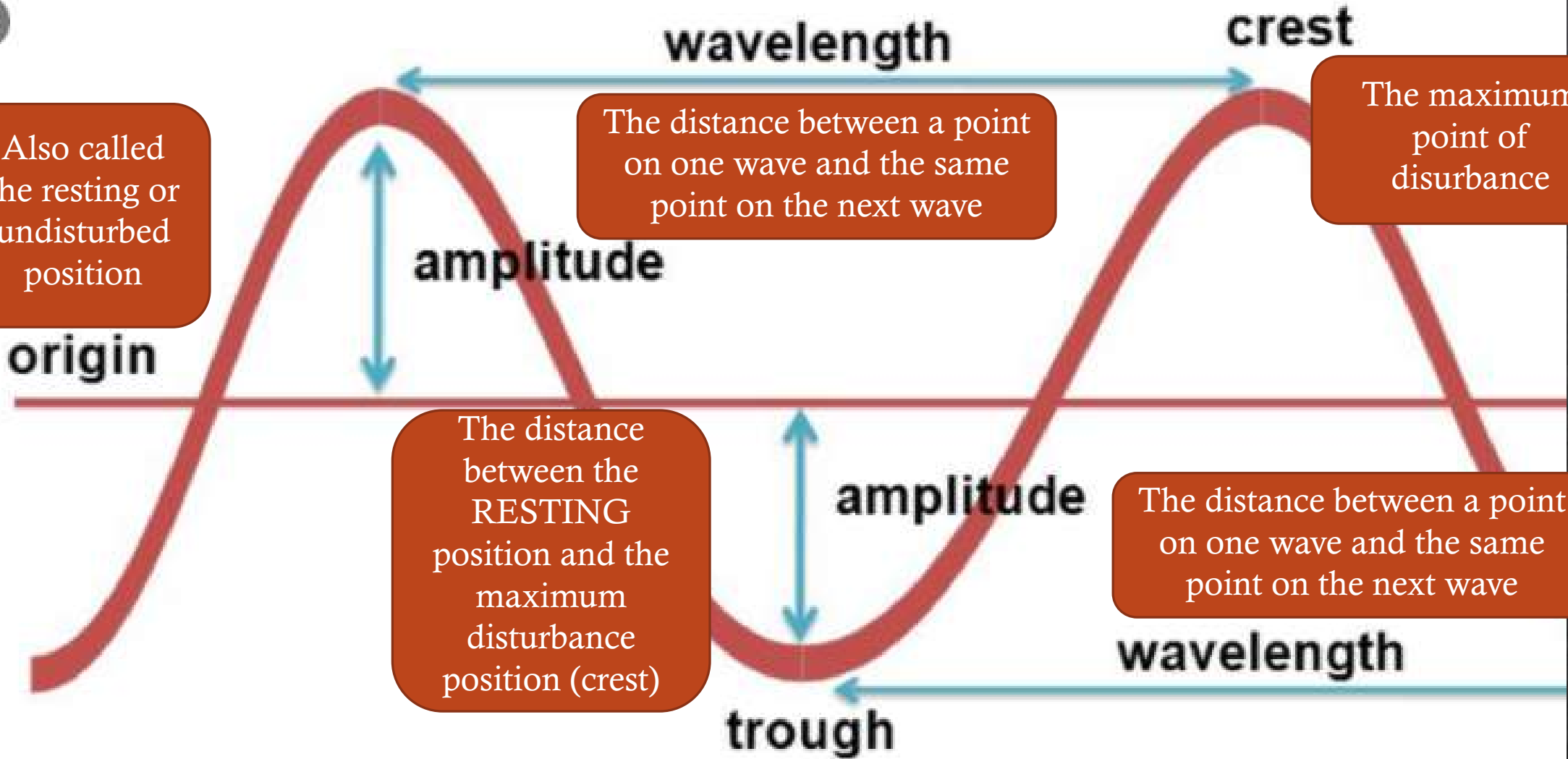
TEST on Monday, November 2nd

How can you describe a surface wave?



Students, write a response!

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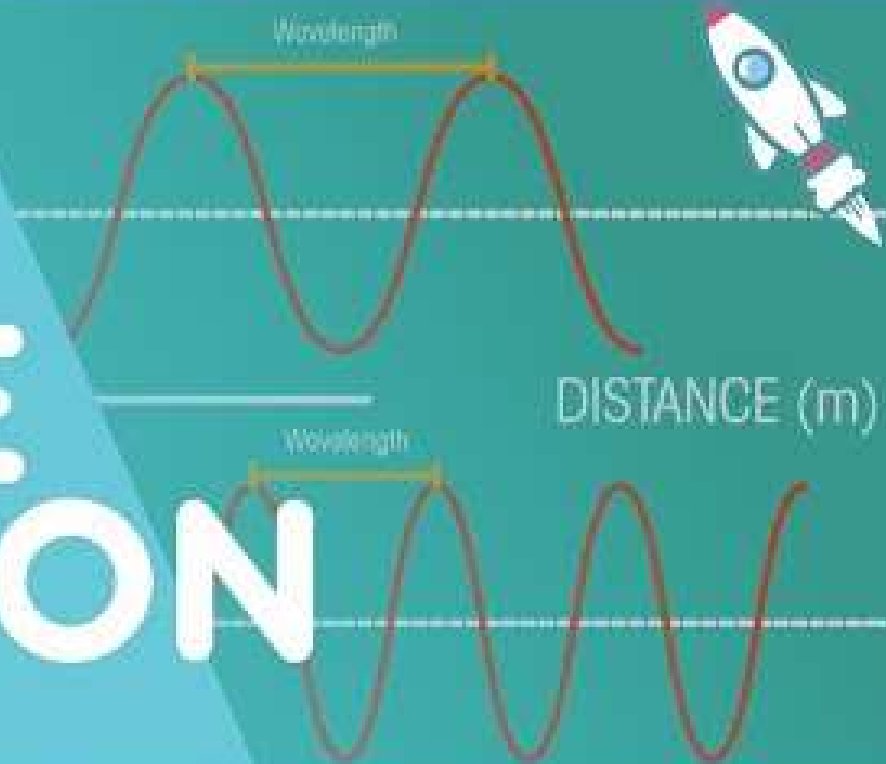


The lowest downward point from the resting position

WAVELENGTH

Physics

WAVE MOTION

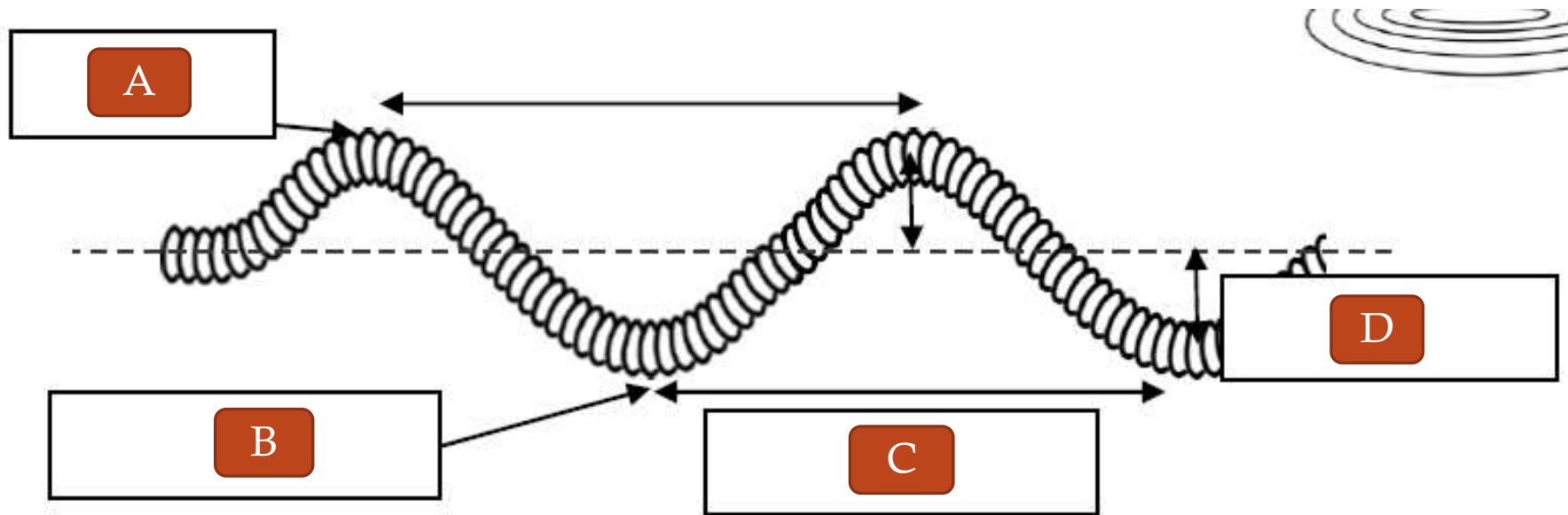


Wavelength

Crest

Trough

Amplitude



Which letter represents the wavelength?



Students, select an option!

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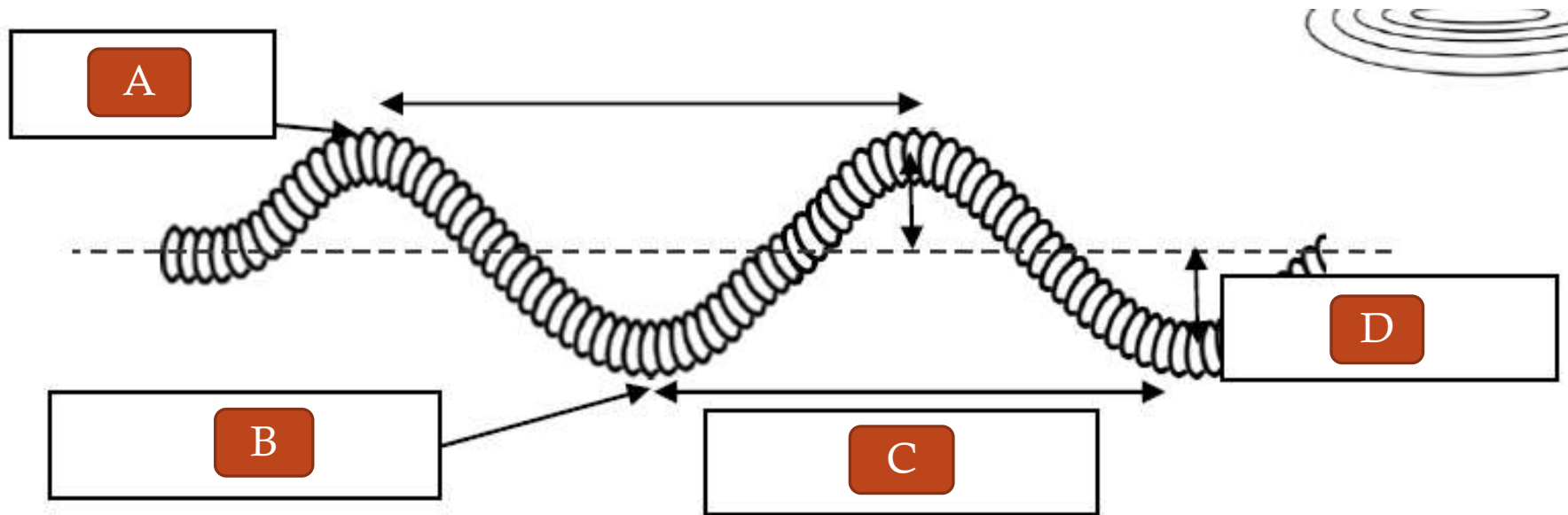


Wavelength

Crest

Trough

Amplitude



Which letter represents the crest (which is also maximum disturbance)?



Students, select an option!

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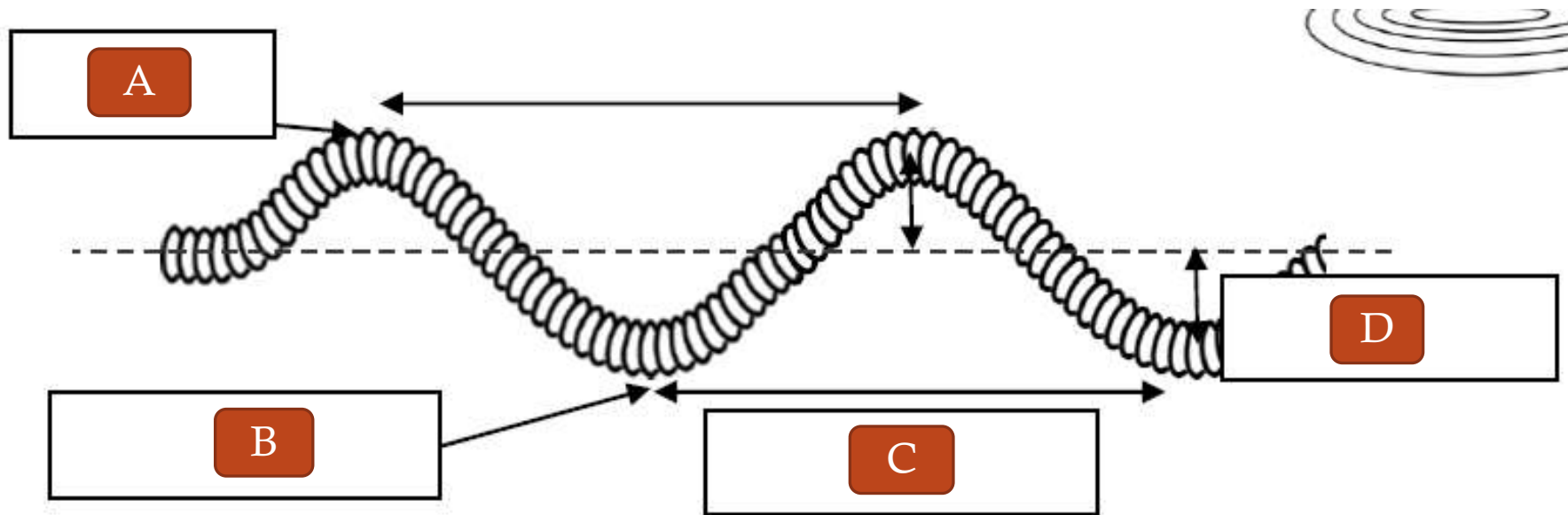


Wavelength

Crest

Trough

Amplitude



Which letter represents the amplitude (distance between resting and maximum disturbance)?



Students, select an option!

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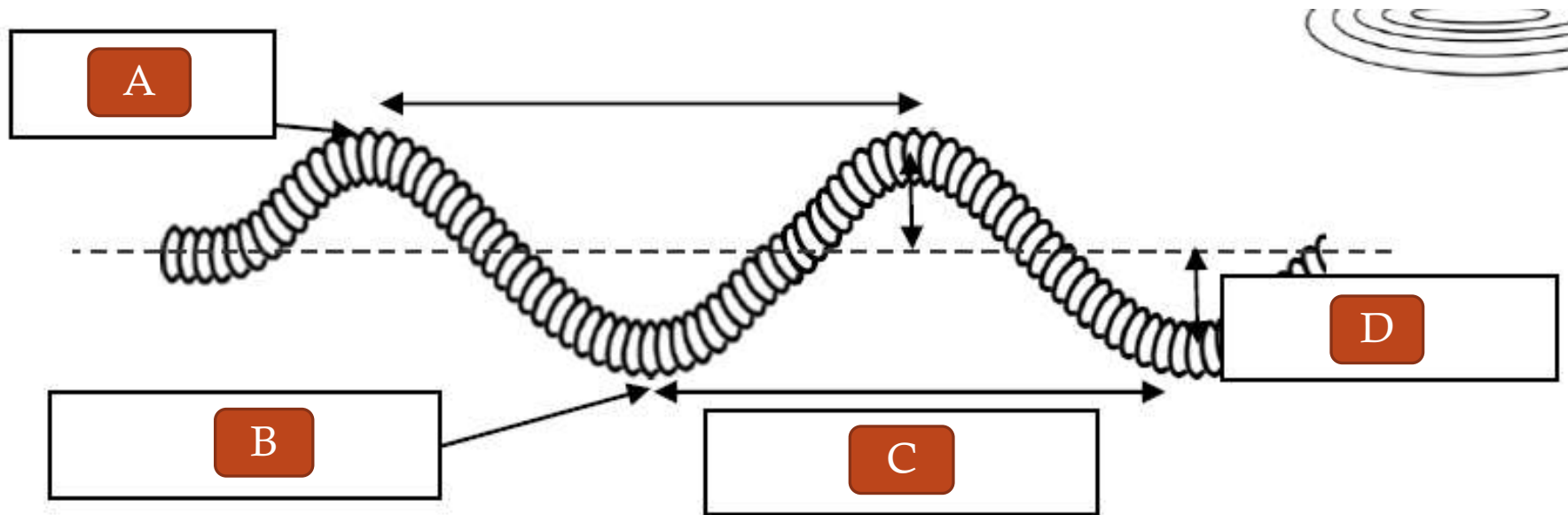


Wavelength

Crest

Trough

Amplitude



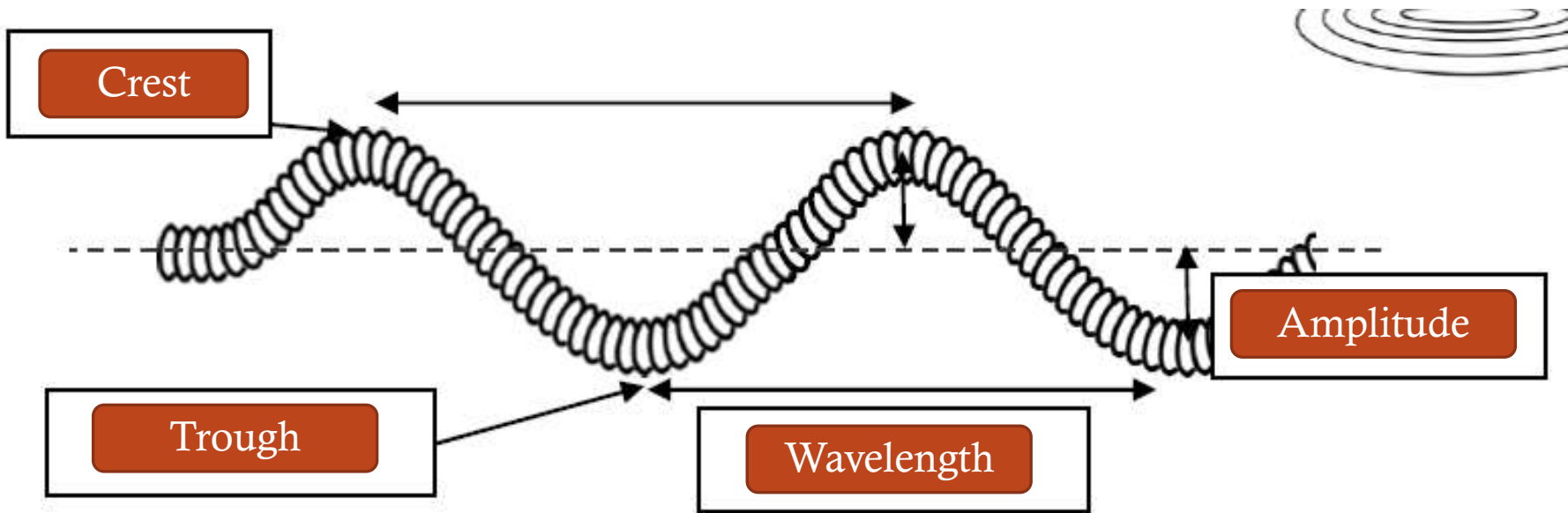
Which letter represents the trough (the downward maximum disturbance)?

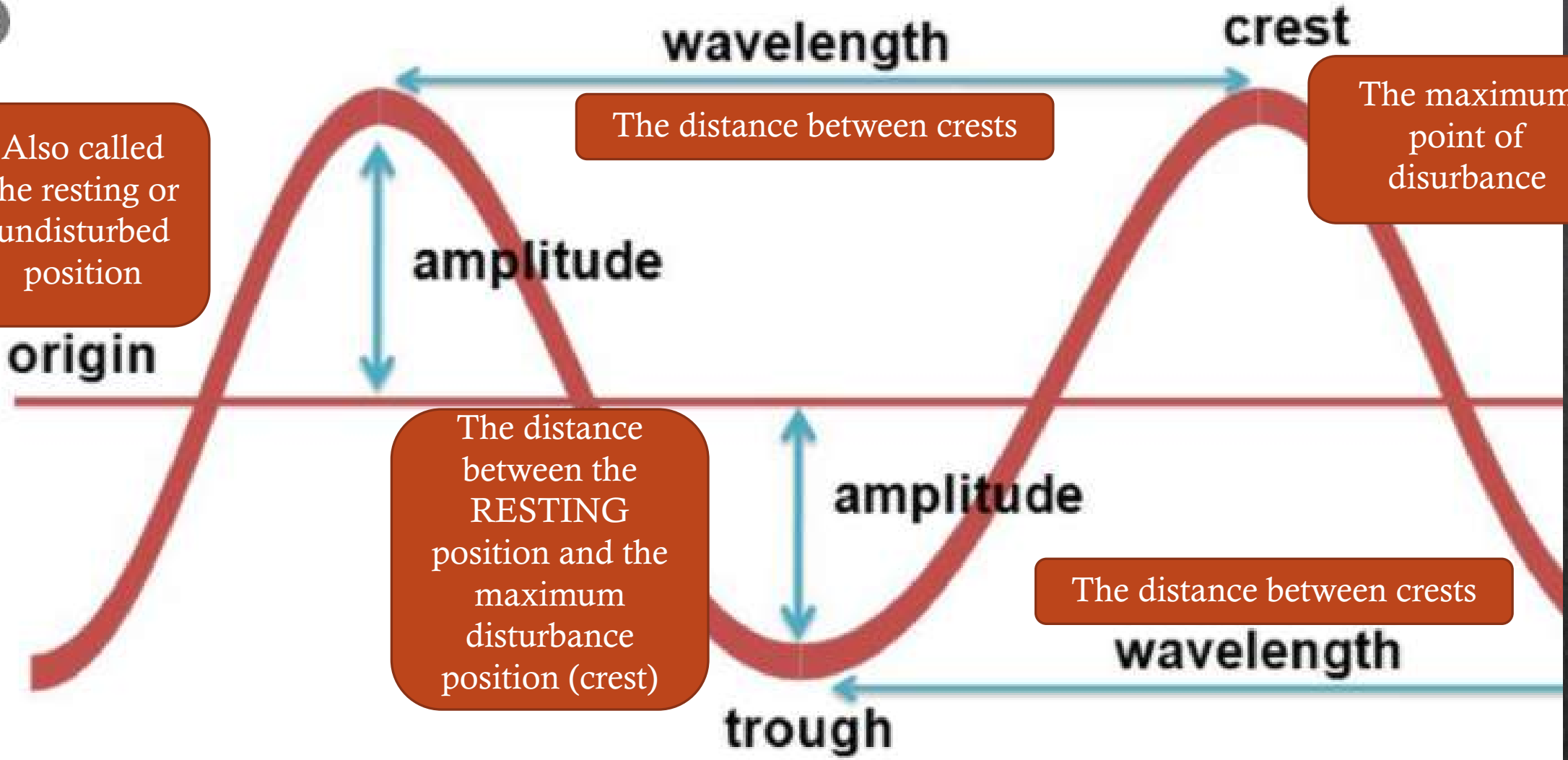


Students, select an option!

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Also called the resting or undisturbed position

origin

The distance between crests

wavelength

crest

The maximum point of disturbance

The distance between the RESTING position and the maximum disturbance position (crest)

amplitude

The distance between the RESTING position and the minimum disturbance position (trough)

amplitude

The distance between crests

wavelength

trough

The lowest downward point from the resting position

A disturbance or _____ that transfers _____ without permanent displacement..

WAVES

Mechanical waves move through matter

Electromagnetic waves can move in matter or a vacuum

Wavelength
Distance from _____ to _____ or from _____ to _____

Frequency
The number of _____ (up and down movements) in a given _____
Frequency is measured in _____ (cycle per second)

Amplitude
The height of a _____ or depth of a _____ measured from _____
The _____ the amplitude, the more _____

Draw a wave with a long wavelength

Draw a wave with a short wavelength

Based on your drawings, what is the relationship between wavelength and wave frequency?

Longitudinal Waves
Matter moves _____ and _____
In the _____ direction as the wave travels

Transverse Waves
Matter moves _____ and _____
_____ to the direction the wave travels

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In your Class Notebook, you will find a copy of these doodle notes. You may use these as your notes if you would like but they must be completed.

We will continue to discuss WAVES next week so that you can fill in more of the doodle notes. However, you have plenty of information from this week to complete most of these.

If you have access to a printer, you can print the document and use it to take notes or create your own.

TEST on Monday, November 2nd

What is the name of the property which tells us the maximum disturbance of a wave (the wave's height)?



Students, select an option!

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YOU DO!

Take notes from today's presentation making sure you draw a transverse wave and LABEL it correctly.

No graded assignment in TEAMS. You will turn in your notes on Wednesday.

Place your star in the sky if you understand that you should take notes from today's lesson.

Place your star in the sky!



Students, drag the icon!

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