

Decibels Data Tables

Name _____

On Campus Decibel Readings: Where do you think three different decibel readings would occur? Go to those locations and takes a decible reading with your smart device.

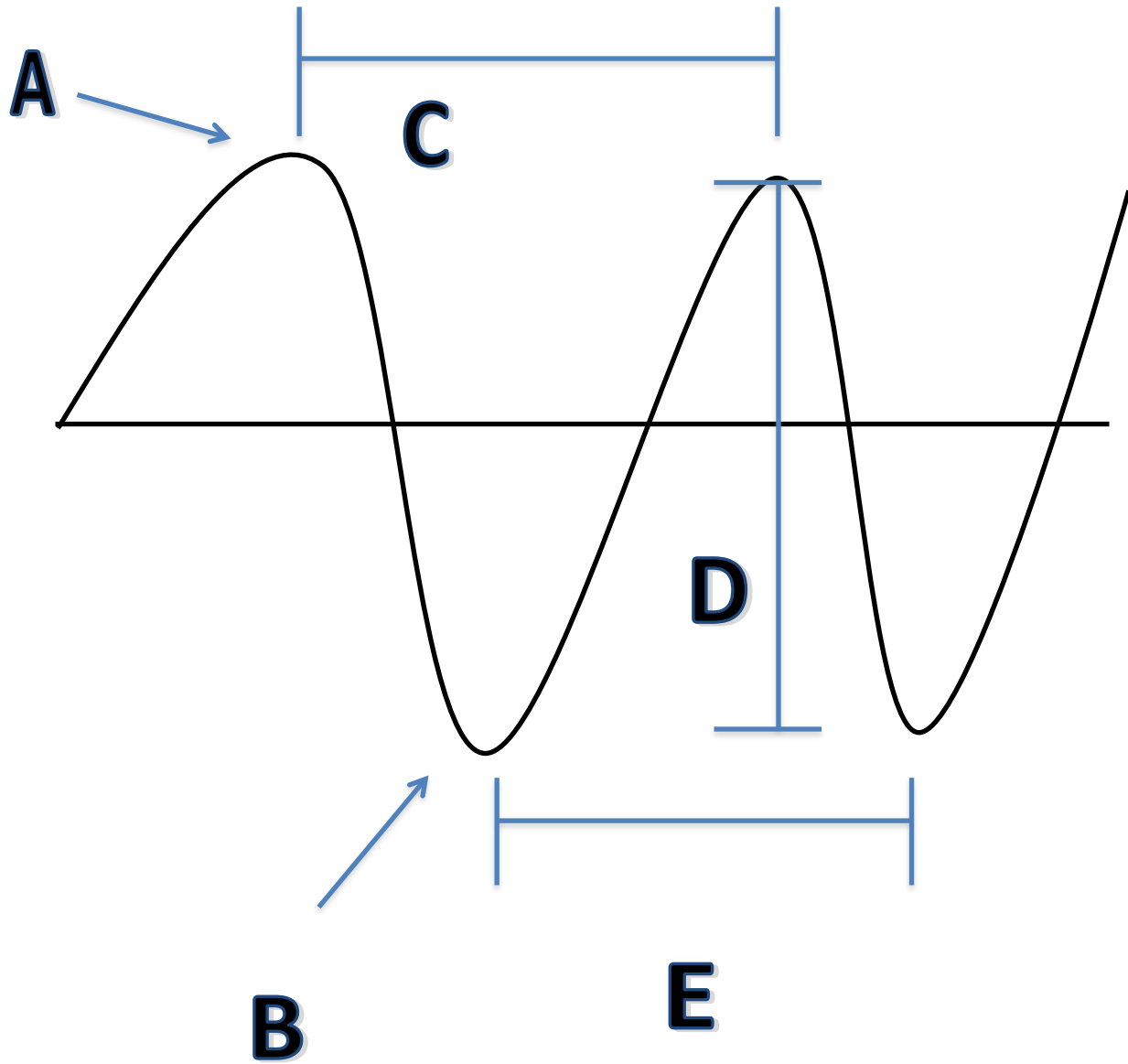
Location on Campus	Decible Reading

Off Campus Decibel Readings: Using your smart device at home, take two decibel readings that are at opposite ends of the decibel scale. Don't forget to include the location.

Location Near or In House	Decible Reading

Parts of a Wave

Name _____



Please label the parts of a wave that correspond with the above letters.

A _____

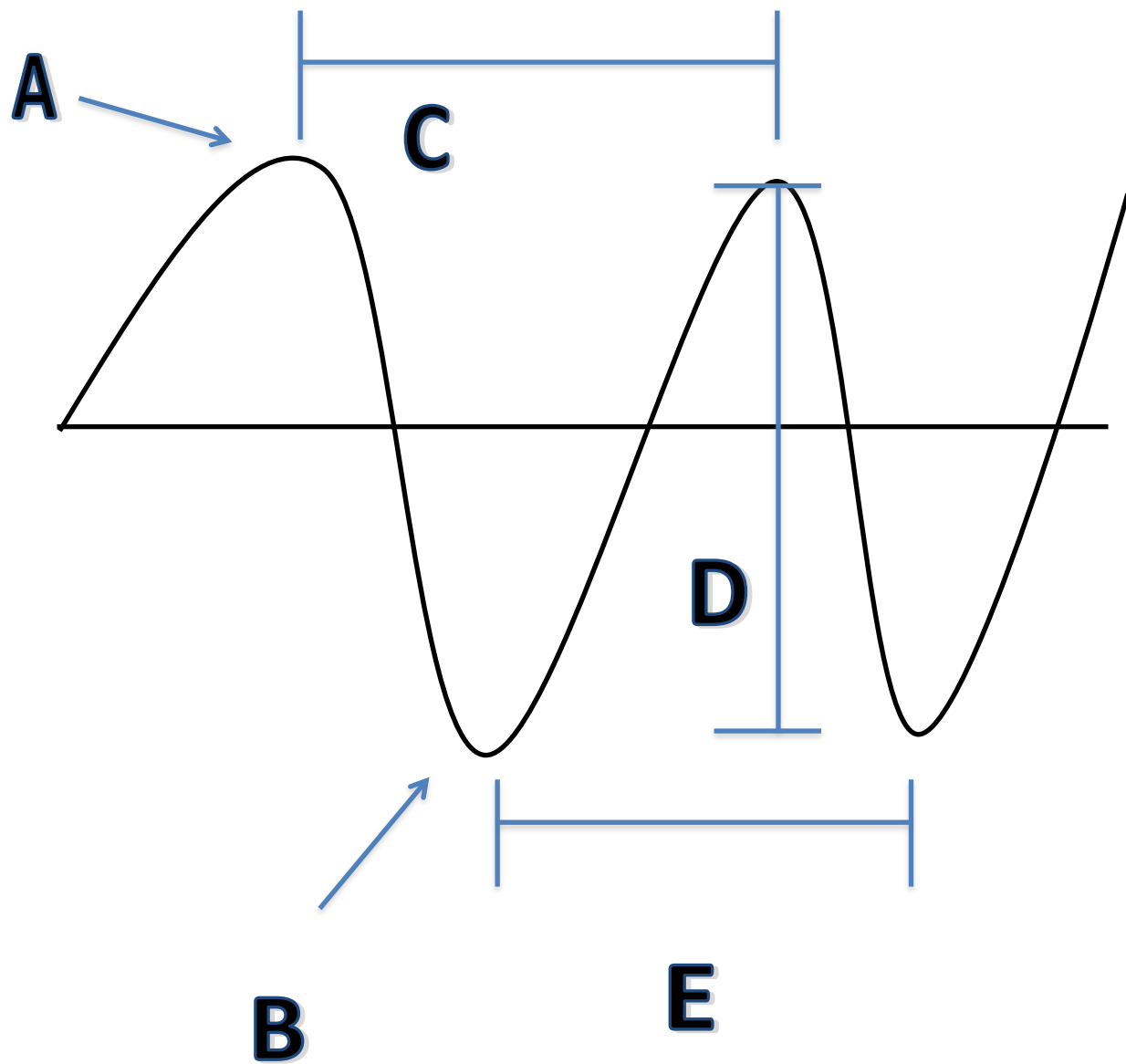
D _____

B _____

E _____

C _____

Parts of a Wave ANSWER KEY



Please label the parts of a wave that correspond with the above letters.

A: CREST

D: WAVE HEIGHT

B: TROUGH

E: WAVE LENGTH

C: WAVE LENGTH

Designing Your Own High School

Name _____

Writing Task: Please design a map for a perfect school that takes into consideration what you have learned about sound. Your school map will have a date, orientation, scale, title, author, legend, and symbols. Your school will include these features: administration office, library, classrooms (math, science, social studies, English, art, music), gym, sports fields, cafeteria, walkways, etc. You are welcome to use a larger piece of paper or your computer to do the map. Note: If you choose to have a multi-storied building, you will need to draw out Ground Floor, Second Floor, etc and put in elevators and stairs. This map will not be a copy of your current school.

Scoring Criteria:

Map contains required elements (date, orientation, scale, title, author, legend, and symbols) 14 Pts

Map contains required features (administration office, library, classrooms (math, science, social studies, English, art, music), gym, sports fields, cafeteria, walkways). 13 Pts

Location of features shows consideration for noise levels (example: music room is not next to the library). 10 Pts

Map is clearly drawn and labeled. 10 Pts

Partners have worked cooperatively. 3 Pts

Total 50 Pts

Due _____

Writing Assessment

Name _____

Using the map of your high school, write 4 questions about your school that use the word “why.” For example:

Why was the cafeteria located so far from the front of the school?

Why do student walk on the grass instead of the walkways?

1.

2.

3.

4.

Using the map of your high school, write 4 questions about your school that use the word “where.” For example:

Where is the cafeteria located?

Where would you go to find the principal?

1.

2.

3.

4.