

Quiz 07

Due May 20 at 11:59pm

Points 10

Questions 5

Available May 16 at 11:59am - May 20 at 11:59pm 5 days

Time Limit 60 Minutes

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	8 minutes	10 out of 10

⚠️ Correct answers will be available on May 21 at 12:01am.

Score for this quiz: **10** out of 10

Submitted May 18 at 1:56pm

This attempt took 8 minutes.

Question 1

2 / 2 pts

In the line of code below, what are the 3 arguments A, B, and C used for?

```
status = clEnqueueNDRangeKernel( cmdQueue, kernel, 1, NULL,
                                globalWorkSize, localWorkSize, A, B, C );
```



They provide information on events being waited for and events being thrown



They provide 3D information about the size of the work-groups



They provide 3D information on the number of work-groups



They provide 3D information on the total size of the problem

Question 2

2 / 2 pts

What is the difference between the **clEnqueueBarrier** function and the **clEnqueueMarker** function?

- ☒ They are the same except that clEnqueueMarker can throw an event.
- ☐ They are the same except clEnqueueBarrier can throw an event
- ☐ They are exactly the same



Question 3

2 / 2 pts

Why does OpenCL use a command queue? **Note: there are 2 correct answers here -- you must check them both to get full credit.**

- ☒ So that OpenCL can gobble OpenCL commands as fast as it can.
- ☒ So that your program doesn't have to wait until OpenCL is ready to send it new commands
- ☐ So that you don't need to know what each command actually does.
- ☐ Because this is how the hardware works.

Question 4

2 / 2 pts

Why is there a picture of a Pac-Man in the OpenCL notes?

- ☒ It signifies how OpenCL tries to gobble up whatever has arrived at the front of the command queue conveyor belt.

☐ It shows how OpenCL can be used in game development.

☐ It shows how OpenCL can only deal with 2D problems.

☐ It signifies the possibility of rogue ghosts in the GPU system.

Question 5

2 / 2 pts

The built-in OpenCL function `get_local_id(uint dimindx)` is used:

☒ To tell you what data element you are, within your own work-group.

☐ To tell you what data element you are, in the global data array.

☐ To tell you how many dimensions of data your local work-group is using.

Quiz Score: **10** out of 10