

## Week 3 Quiz

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Graded Assignment • 20 min



English ▾

Due

Mar 3, 12:59 AM CST

1. What does the pooling technique do to the images?

1 point

- ☐ Combines them.
- ☐ Makes them sharper.
- ☒ Reduces information in them while maintaining important spatial features.
- ☐ Isolates features in them.

2. After max pooling a 26x26 image with a 2x2 filter, the output will be 56x56

1 point

- ☒ False
- ☐ True

3. How do convolutions improve image recognition?

1 point

- ☐ They make the image smaller
- ☐ They make the image clearer
- ☐ They make processing of images faster
- ☒ They capture spatial features in images

4. True or False. If you pass a 28x28 image through a 3x3 filter the output will be 26x26

1 point

- ☐ False
- ☒ True

5. How does using convolutions in neural networks impact training? Select the best answer.

1 point

- ☐ It makes it slower.
- ☐ It does not affect training.
- ☐ It makes it faster.
- ☒ Its impact will depend on several factors.