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## 1-4 Final Project Review: Shapes and Image Selection



1. **Explain which 3D shapes could be used to replicate the selected 2D image.** Identify three to five major objects from the image to translate into basic shapes. Explain how you would use as many different shapes as possible to create those objects. As you work, remember to reference the following shapes:

The coffee mug, notebook, and keyboard are the main objects in the picture. The keyboard would be represented by a plane with keys that are almost flat cubes, some of which would be stretched to represent various key forms. Three long cubes for the handle, a flat cylinder for a coaster, and two cylinders for the coffee mug would be used as illustrations. A flat, elongated cube with several tori on top would be my choice for the notebook. A pen and pencils would be pictured as cylinders with a cone-shaped tip. Finally, the table surface would be depicted by a straightforward plane.

1. **Identify at least one object that would need multiple shapes to replicate.** Consider the spoon in the example involving kitchen items and how two shapes, a sphere and a box, were used to construct the object. When you look at the image you are working with, where do you need to use this strategy to make a more accurate replication?

The glasses, in my opinion, are the most noticeable of all the intricate details in the picture. They would be represented by various forms. Each lens frame might be represented by a single torus, and the legs could be represented by flat, elongated cubes to make the glasses seem simple and uncomplicated.

1. **Discuss areas where the image could be simplified in a 3D replication.** For example, what objects would you remove? Are there objects you would combine using a single shape?

To be honest, I wouldn't take anything away, but if I had to, I would take the pinecone out. It seems pointless to me to have it there. But I understand why it's there; it adds a particular texture or appearance to the image.

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6. spoon in the example involving kitchen items and how two shapes, a sphere and a box,
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8. where do you need to use this strategy to make a more accurate replication?