A bottle of liquid on a bowl

AI-generated content may be incorrect.  
Our prompt is to turn 4 random objects in the kitchen into base primitive style items in OpenGL. The primitive items we can possibly use are

* Box
* Cone
* Cylinder
* Plane

When working withing in these constraints, I should be able to craft similar models based on those four items. 1 can of planter’s peanuts, 1 vegetable chopper, 1 easy mix bowl, & 1 container of maple crown syrup.

A bottle of liquid on a white surface

AI-generated content may be incorrect.

Decomposition of the items begins with the crown syrup bottle, which consists of a cylinder, making up the main body, a tampered cylinder on top of the previous one, making up the neck of the bottle. Lastly, due to it having a cork top, it could be set upon it as a sphere.

Next up is the round blue bowl, a compound build consisting of a sphere & a cylinder. The sphere would be cut down, while the top is made from a flattened cylinder.

A container on a table

AI-generated content may be incorrect.  
The vegetable chopper seems to the most complicated item. It has a rectangular box shape for the main body, a smaller rectangle would make up the lid. Though it would need to be simplified & I should have taken a photo of it open. The handle area could be a merged cylinder with the top rectangle, to give motion to the item or allow it to open & close. The flat bottom of the chopper lower half could be represented by another box, the cutting area is represented by a plane style section.

A blender and a container on a table

AI-generated content may be incorrect.

Lastly, the smaller blue peanuts cylinder, like the larger one. This one is all made from one cylinder. Any complications would be removing the lid and tilting it to the side, which could consist of a flattened sphere.

These items should be considered a good mixture of choices and some shapes from the kitchen. They require different sizes & positions presented on to a 3d canvas. They possible combinations to build them help make this an interesting assignment, and be creative in the production.