# Week 8 Assessment:

1. Why was a Mate Connector specifically created in a Part Studio for the Bluetooth Speaker?

*In the battery part studio, there was no locating geometry (since the batteries just float in the speaker frame compartment) so one was created using a sketch as a reference to aid in assembly.*

1. What does “Reorient Secondary Axis” mean, and when is it used?

*It allows a Mate in Onshape to be rotated around its Blue axis. It is used when the part being assembled is not clocked in the correct direction.*

1. What is Snap Mode, and why would it be used?

*Snap Mode allows parts which are being inserted into an assembly to have a fastened Mate be created “on the fly”. This is particularly helpful when assembling hardware, and can save a lot of time.*

1. When is a Mate Group used?

*When you want to treat multiple parts as a subassembly, and prevent relative motion between the parts.*

1. Can replicate be used to mate across multiple parts, or only to multiple locations on the same part?

*Across multiple parts.*