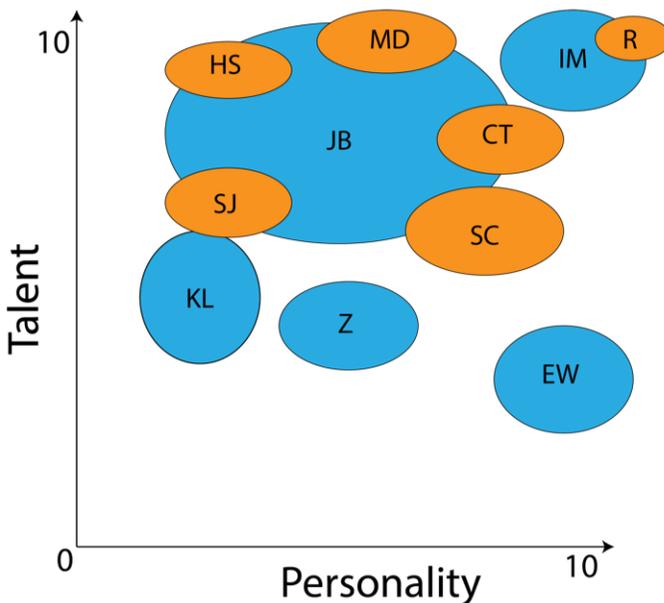**Activity:**

1. Give the students the list of celebrity names and task them with ranking each person for talent and personality on a scale from 1-10. Time for this step can vary, usually around 10 minutes.

2. After 10 minutes, sketch a two-axis graph with talent on one axis and personality on the other. Begin polling the class for their response for each person. This can be as official or unofficial as suits the classroom; often just having students call out their numbers works well.

   (a) Given on the range of numbers stated by the students, give ranges for each "property", just like an Ashby diagram. An example can be seen below.

3. Use the final diagram to discuss how tradeoffs are made for different situations and how this mirrors how engineers pick materials based on a combination of properties.

Example Final Diagram with Celebrity List:

Celebrity
Justin Bieber (JB)
Ian McKellan (IM)
Emma Watson (EW)
Kendrick Lamar (KL)
Zendaya (Z)
Harry Styles (HS)
Stephen Curry (SC)
Matt Damon (MD)
Charlize Theoron (CT)
The Rock (R)
Scarlett Johansson (SJ)