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asks students to make  
comparative judgments  
about a set of variations  
on a particular physical  
situation.

The idea of the ranking  
task is to have a student  
compare a number of  
physically similar systems  
that are allowed to vary in  
only one or two ways. The  
student must rank the  
systems (usually from  
greatest to least) on the  
basis of one of the  
system's physical  
variables (i.e. -velocity,  
acceleration, electric field  
strength, current, etc.).

*Answer Key - placed*  
Activity outline. Each  
exercise consists of four  
elements: a place to  
record the ranking of each  
variation; a description of  
the physical situation,  
including any constraints  
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different arrangements; a  
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