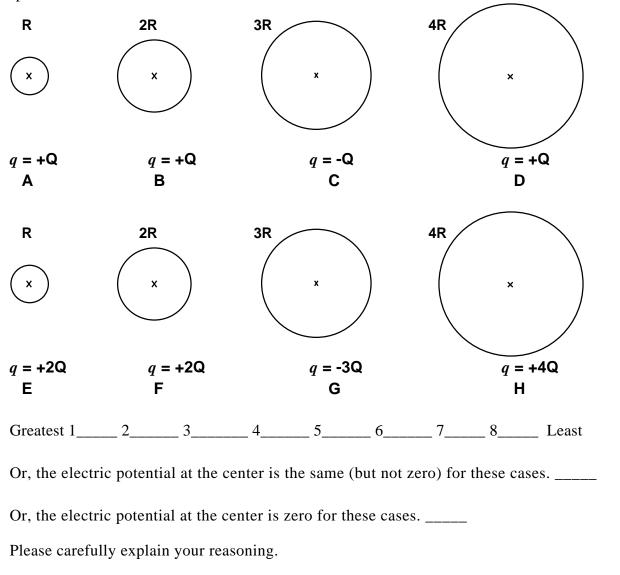
## Charged Conducting Spheres—Electric Potential at the Center <sup>130</sup>

Shown below are eight hollow spheres of different sizes made of an electrically conducting material such as copper. On each sphere there is a charge, as given in the figure, which is distributed evenly over the sphere. Each figure is independent of the others (they do not affect each other).

Rank these situations, from greatest to least, on the basis of the electric potential at the center of the sphere.



How sur	e were y	you of your	ranking?	(circle one)						
Basically Guessed				Sure				Very Sure		
1	2	3	4	5	6	7	8	9	10	

<sup>130</sup> C. Hieggelke, T. O'Kuma

Ranking Task Exercises in Physics