QUIZ#7: Adjacency Analysis

Download and unzip the geodatabase ***Lightning.gdb*** from the website:
http://dverbyla.net/nrm435/quiz_data_2018/

There polygons contain a field of water, low, moderate, and high flammability.

☐ ☑ Lightning

☐ ☑ veg_polys
　　　　Flammability
■ Water
☐ Low
☐ Moderate
☐ High

To simulate a wet summer, starting at the polygon containing the lightning strike, "burn" all adjacent polygons that are high in flammability. Keep burning until you run out of adjacent polygons that are high in flammability…the wildfire stops where it is adjacent to polygons that are water or low or moderate flammability.

Create a solution table estimating total number of polygons and total hectares burned of all contiguous high flammability polygons burned due to the lightning wildfire.

Flammability	Polygon_Count	Total_Hectares
High	0	

All geoprocessing output should be stored in ***Lightning.gdb*** container.

Save your work. Then create a map package: File→Share As→ Map Package…Save package to file (**do NOT check on** Enterprise)

☐ Include Enterprise Geodatabase data instead of referencing the data

Also share your map package to a folder location, ***not*** to your geodatabase container.

Email me (dlverbyla@alaska.edu) your map package ***mpk*** file. (not your arcmap document .mxd file) as an attachment (extensions are hidden by default)