Using device: cuda

Training subset size: 5000

Test subset size: 1000

Epoch 1/10, Loss: 159.0361, Max Memory: 597.51 MB

Epoch 2/10, Loss: 136.9816, Max Memory: 598.16 MB

Epoch 3/10, Loss: 123.6234, Max Memory: 598.16 MB

Epoch 4/10, Loss: 114.8808, Max Memory: 598.16 MB

Epoch 5/10, Loss: 108.0180, Max Memory: 598.16 MB

Epoch 6/10, Loss: 96.4405, Max Memory: 598.16 MB

Epoch 7/10, Loss: 85.6324, Max Memory: 598.16 MB

Epoch 8/10, Loss: 75.4986, Max Memory: 598.16 MB

Epoch 9/10, Loss: 69.2574, Max Memory: 598.16 MB

Epoch 10/10, Loss: 75.3760, Max Memory: 598.16 MB

Training Time: 15.66 seconds

Model with larger kernels saved.

Evaluation Time: 0.10 seconds

Max Memory Used During Evaluation: 595.16 MB

Test Accuracy: 54.20%

Confusion Matrix:

 [[67 1 1 0 1 0 4 0 23 3]

 [6 71 0 1 0 0 5 0 15 2]

 [17 1 47 11 10 1 9 0 4 0]

 [9 0 14 43 3 3 21 0 6 1]

 [7 1 20 8 46 1 13 1 3 0]

 [0 0 14 47 8 19 6 1 4 1]

 [1 0 4 8 5 1 79 0 1 1]

 [5 2 2 17 22 6 2 39 1 4]

 [13 0 1 0 0 0 0 0 86 0]

 [6 19 0 4 0 0 4 0 22 45]]

Classification Report:

              precision   recall f1-score   support

    airplane   0.51   0.67   0.58   100

automobile	0.75	0.71	0.73	100
bird	0.46	0.47	0.46	100
cat	0.31	0.43	0.36	100
deer	0.48	0.46	0.47	100
dog	0.61	0.19	0.29	100
frog	0.55	0.79	0.65	100
horse	0.95	0.39	0.55	100
ship	0.52	0.86	0.65	100
truck	0.79	0.45	0.57	100
accuracy			0.54	1000
macro avg	0.59	0.54	0.53	1000
weighted avg	0.59	0.54	0.53	1000