```
/Users/son-eungyul/Desktop/pythonProject/venv/bin/python /Users/son-eungyul/Desktop/UNLV/day5/e
Total windows: 146 Feature dimension: 45
Class counts: {np.str_('circle'): np.int64(32), np.str_('pendulum'): np.int64(30), np.str_('x a
Split sizes: 87 29 30

Top sweep results:
        C  gamma  val_log_loss
0  100.0   0.01      0.158705
1   10.0   0.01      0.158705
2   10.0  scale      0.160858
3  100.0  scale      0.160858
4    1.0  scale      0.182867
5    1.0   0.01      0.198263
6   10.0    0.1      0.201750
7  100.0    0.1      0.201750
8    1.0    0.1      0.204722
9    0.1  scale      0.316271

Best params: {'C': 10, 'gamma': 0.01, 'val_log_loss': 0.158704743433594}

=== Test Metrics (Macro Avg) ===
Accuracy : 1.0
Precision: 1.0
Recall   : 1.0
F1-score : 1.0
Log Loss : 0.1747469781461216

Confusion matrix (rows=true, cols=pred), labels = ['circle', 'pendulum', 'x axis', 'y axis', 'z
[[7 0 0 0 0]
 [0 6 0 0 0]
 [0 0 6 0 0]
 [0 0 0 5 0]
 [0 0 0 0 6]]
```