Name:	Score (Out of 5 points):
Traine.	beore (out or o points).

1. (5 points) Let $Y \cong S^n$ be a smooth n-sphere, and let $X \subseteq Y$ be a smoothly embedded d-sphere, for some $0 \le d < n$. Compute the reduced homology groups of the quotient space Y/X.

Note: The tubular neighbourhood theorem from differential topology implies that (Y, X) is a good pair.