

# Railroad Aerodynamics

**A**ir moving around an object, like a train, creates drag or resistance. Drag will slow the object down or cause it to use more energy to keep up its speed.

Objects having a shape that reduces the drag from air moving past them are aerodynamic. Trains can have an aerodynamic shape.

**Your turn** – Look at the train pictures below. Based on your experience in the wind tunnel, check the ones you think are more aerodynamic.

1



2



3



4



5



6



7



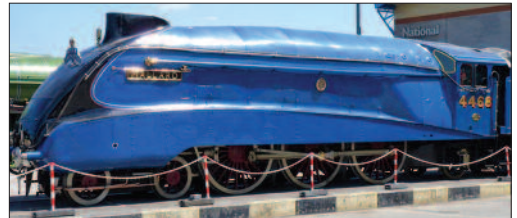
8



9



10



Answers – You should have checked numbers: 1, 2, 4, 9, 10



National  
Railroad  
Museum

2285 S. Broadway, Green Bay, WI ■ 920.437.7623 ■ [www.nationalrrmuseum.org](http://www.nationalrrmuseum.org)