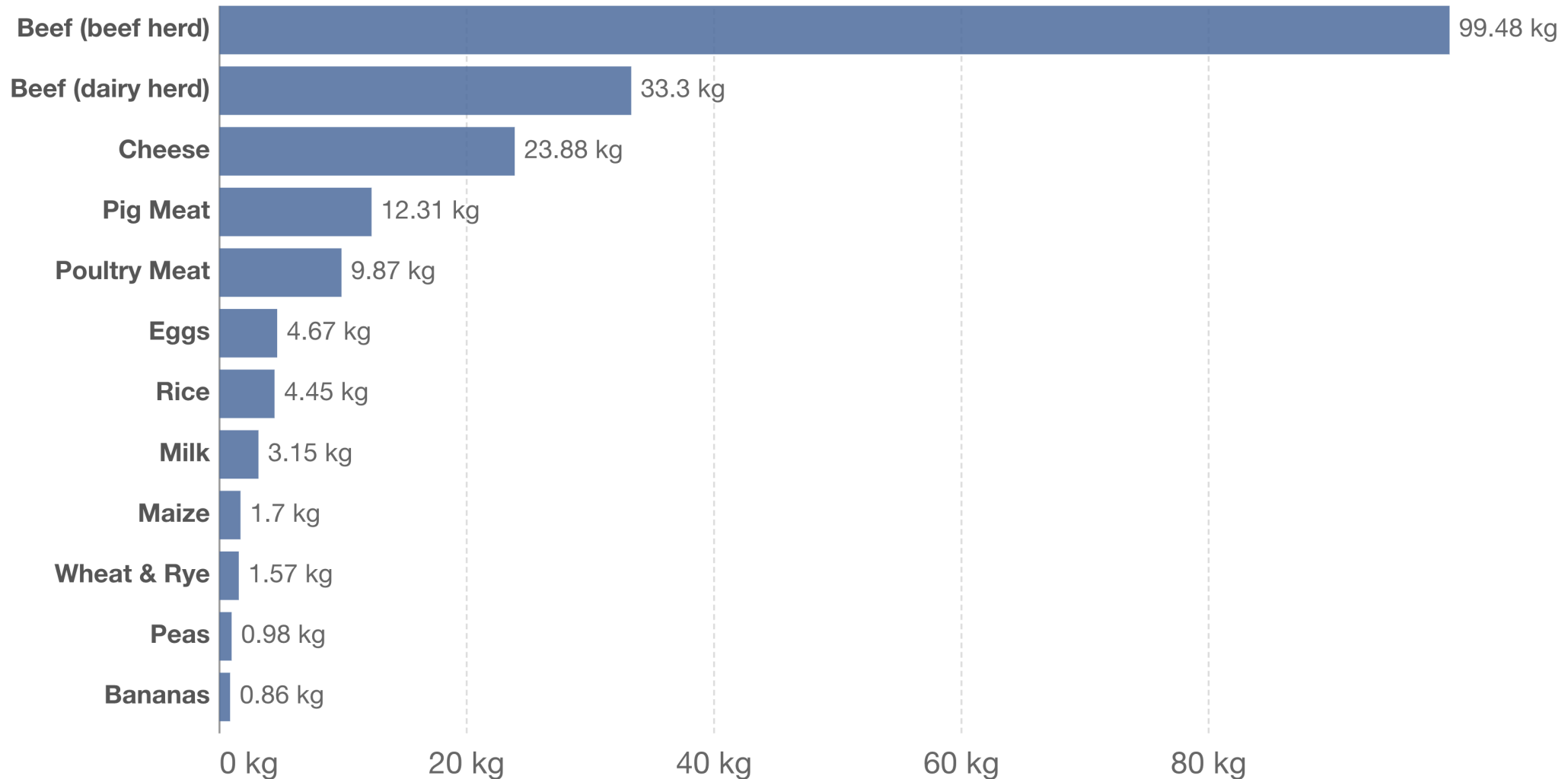


# Greenhouse gas emissions per kilogram of food product

Emissions are measured in carbon dioxide equivalents (CO<sub>2</sub>eq). This means non-CO<sub>2</sub> gases are weighted by the amount of warming they cause over a 100-year timescale.



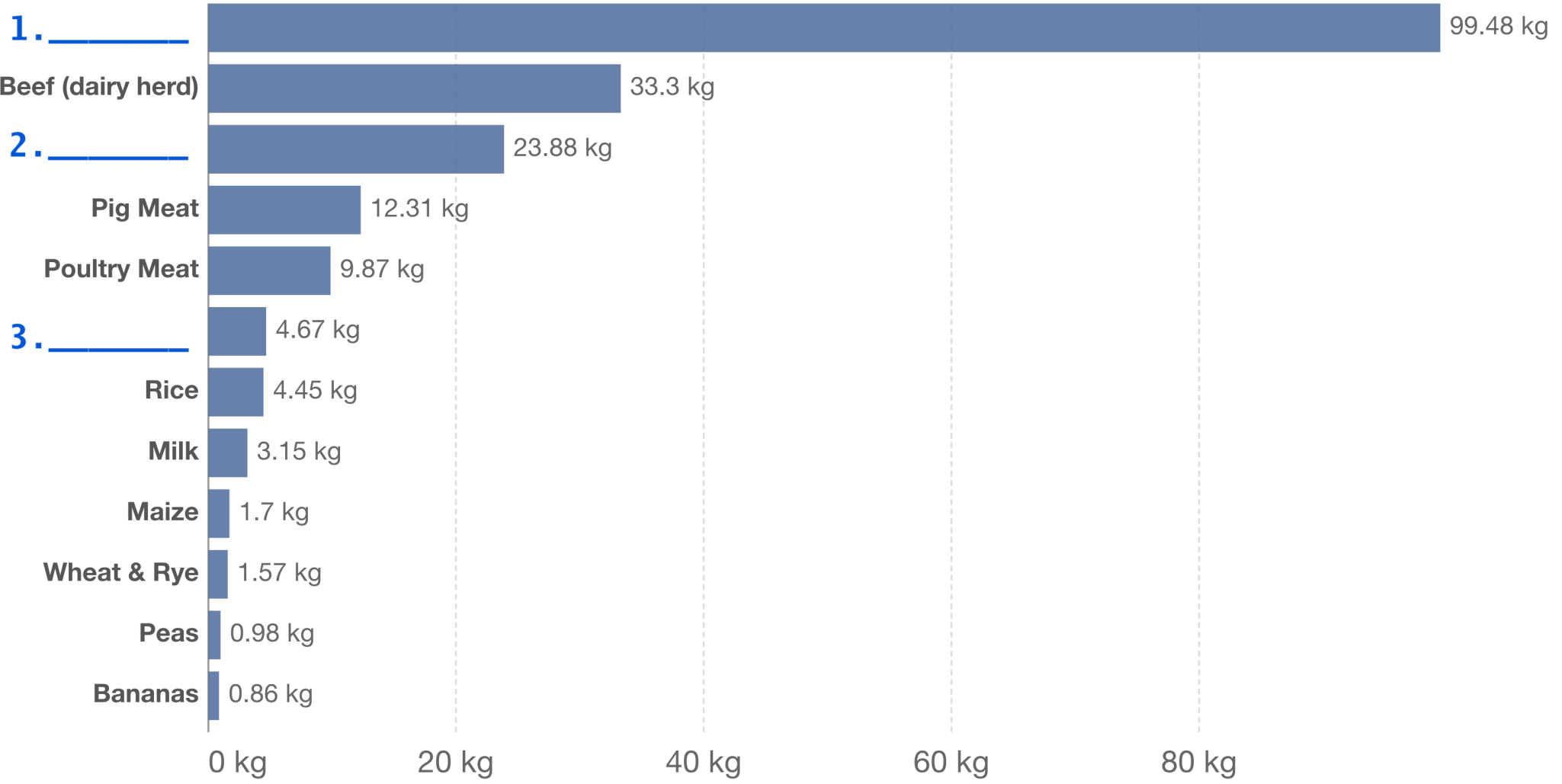
Source: Poore, J., & Nemecek, T. (2018). Reducing food's environmental impacts through producers and consumers.

Note: Greenhouse gases are weighted by their global warming potential value (GWP100). GWP100 measures the relative warming impact of one molecule of a greenhouse gas, relative to carbon dioxide, over 100 years.

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Table students will use to fill in blanks

**Table 1. Use this information to fill in the blanks in the bar graph. (Italics show what information students would extract by looking carefully at the unlabeled bars in the graph).**

Food Type	Greenhouse gas emissions per kilogram	Food Type	Greenhouse gas emissions per kilogram
Apples	0.43	<i>Eggs</i>	<i>4.67</i>
Bananas	0.86	Lamb & Mutton	39.72
Barley	1.18	Maize	1.7
<i>Beef (beef herd)</i>	<i>99.48</i>	Milk	3.15
Beef (dairy herd)	33.3	Peas	0.98
Cane Sugar	3.2	Pig Meat	12.31
Cassava	1.32	Poultry Meat	9.87
<i>Cheese</i>	<i>23.88</i>	Rice	4.45
Dark Chocolate	46.65	Wheat & Rye	1.57

Table created by Matt Wilkins (galacticpolymath.com) from data provided by OurWorldInData:  
<https://ourworldindata.org/environmental-impacts-of-food>