

4. First balance

Mass of second empty beaker _____

ID number of object	Mass of beaker plus object	Mass of object itself
_____	_____	_____
_____	_____	_____
_____	_____	_____

5. Second balance

Mass of second empty beaker _____

ID number of object	Mass of beaker plus object	Mass of object itself
_____	_____	_____
_____	_____	_____
_____	_____	_____

How did the use of a different beaker affect the masses determined for each of your unknown objects?

QUESTIONS

1. Why is it important always to use the *same balance* during the course of an experiment?

2. What *error* is introduced in a mass determination if the object being weighed is *warm*? Why?

3. Why should reagent chemicals *never* be weighed directly on the pan of the balance?

