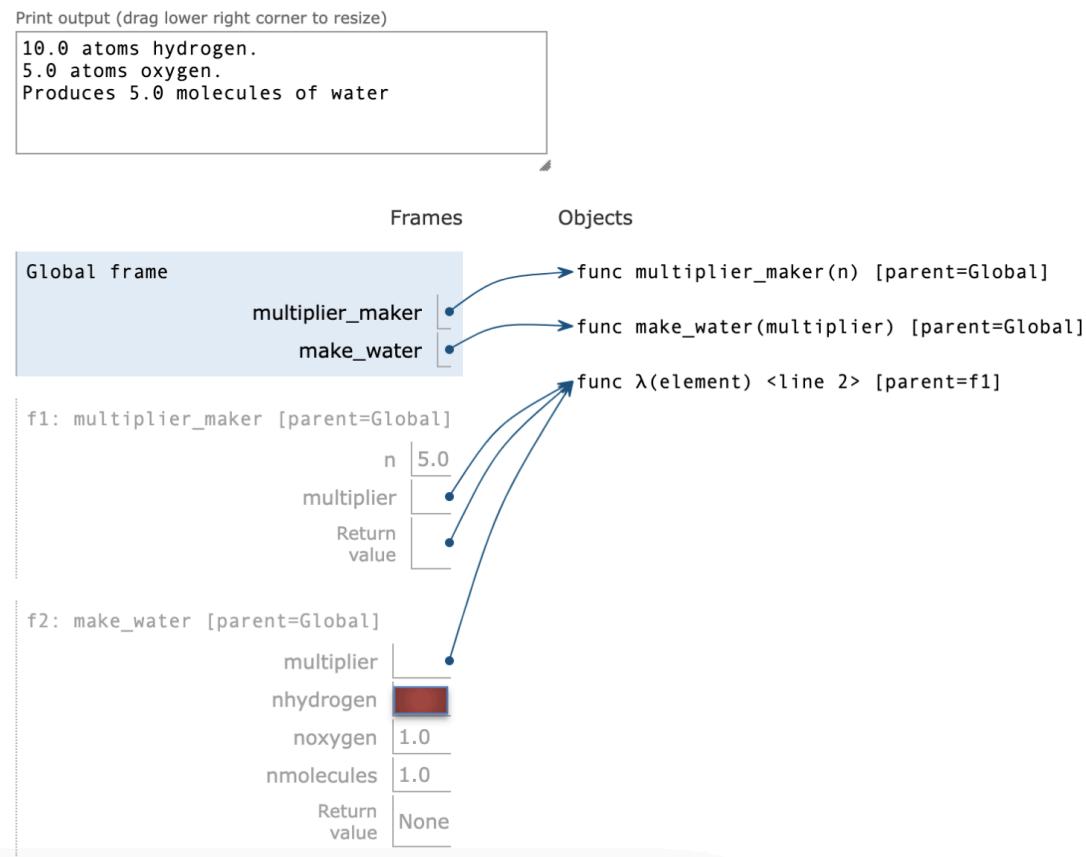


(8.0 points) Chem 105

Consider the environment diagram (and print output) below, followed by the code that generated it.



```
def multiplier_maker(n):
    return lambda element : _____(a)* n

def make_water( multiplier ):
    nhydrogen,noxygen = 2.0, 1.0
    nmolecules = _____(d)
    print( str(multiplier(nhydrogen)) + ' atoms hydrogen.' )
    print( str(multiplier(noxygen)) + ' atoms oxygen.' )
    print( 'Produces ' + str(multiplier( _____(b) )) + ' molecules of
water.' )

make_water( _____(c)(5.0) )
```

1. (2.0 pt) Which one of these could fill in blank **(a)**?

 - A. n
 - B. element
 - C. multiplier
 - D. make_water
 - E. 3.0
 - F. 5.0

2. (2.0 pt) Which one of these could fill in blank **(b)** to get the environment diagram shown?

 - A. nmolecules
 - B. nhydrogen
 - C. noxygen
 - D. lambda x : x
 - E. 10.0
 - F. 1.0

3. (2.0 pt) Which one of these could fill in blank **(c)**?

 - A. element
 - B. make_water
 - C. nmolecules
 - D. lambda x : multiplier_maker(x)
 - E. multiplier
 - F. lambda element : element * n
 - G. multiplier_maker

4. (2.0 pt) Which one of these could fill in blank **(d)**?

 - A. 3.0
 - B. 6.0
 - C. 9.0
 - D. 1.0
 - E. 9.0, 3.0
 - F. 5.0
 - G. multiplier