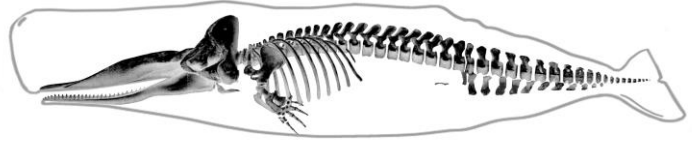


# NCMM Summer Science School

List the 4-letter words you can make out of the letters in  
S P E R M W H A L E

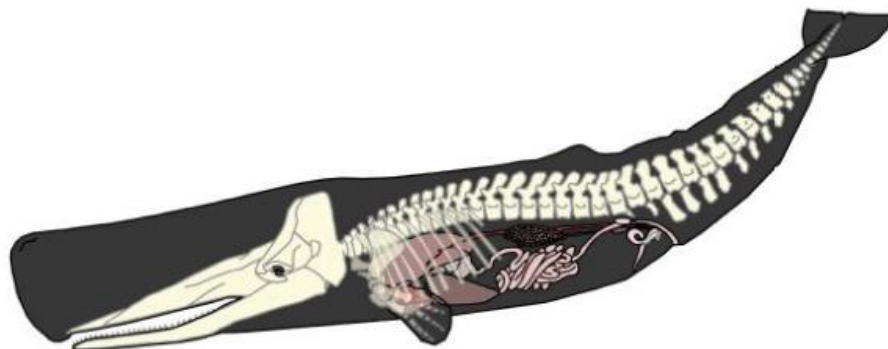


Sperm Whale Spirit  
(*Physeter macrocephalus animus*)  
by Karen Hattman

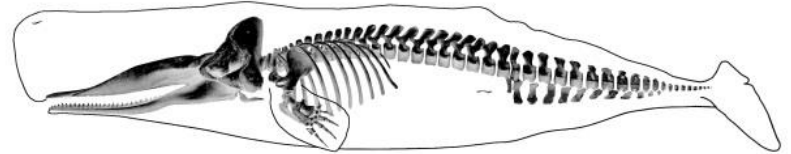


Sperm Whale (*Physeter macrocephalus*)

1 _ _ _ _	21 _ _ _ _	41 _ _ _ _	61 _ _ _ _	83 _ _ _ _	103 _ _ _ _	123 _ _ _ _
2 _ _ _ _	22 _ _ _ _	42 _ _ _ _	62 _ _ _ _	84 _ _ _ _	104 _ _ _ _	124 _ _ _ _
3 _ _ _ _	23 _ _ _ _	43 _ _ _ _	63 _ _ _ _	85 _ _ _ _	105 _ _ _ _	125 _ _ _ _
4 _ _ _ _	24 _ _ _ _	44 _ _ _ _	64 _ _ _ _	86 _ _ _ _	106 _ _ _ _	126 _ _ _ _
5 _ _ _ _	25 _ _ _ _	45 _ _ _ _	65 _ _ _ _	87 _ _ _ _	107 _ _ _ _	127 _ _ _ _
6 _ _ _ _	26 _ _ _ _	46 _ _ _ _	66 _ _ _ _	88 _ _ _ _	108 _ _ _ _	128 _ _ _ _
7 _ _ _ _	27 _ _ _ _	47 _ _ _ _	67 _ _ _ _	89 _ _ _ _	109 _ _ _ _	129 _ _ _ _
8 _ _ _ _	28 _ _ _ _	48 _ _ _ _	68 _ _ _ _	90 _ _ _ _	110 _ _ _ _	130 _ _ _ _
9 _ _ _ _	29 _ _ _ _	49 _ _ _ _	69 _ _ _ _	91 _ _ _ _	111 _ _ _ _	133 _ _ _ _
10 _ _ _ _	30 _ _ _ _	50 _ _ _ _	70 _ _ _ _	92 _ _ _ _	112 _ _ _ _	134 _ _ _ _
11 _ _ _ _	31 _ _ _ _	51 _ _ _ _	71 _ _ _ _	93 _ _ _ _	113 _ _ _ _	135 _ _ _ _
12 _ _ _ _	32 _ _ _ _	52 _ _ _ _	72 _ _ _ _	94 _ _ _ _	114 _ _ _ _	136 _ _ _ _
13 _ _ _ _	33 _ _ _ _	53 _ _ _ _	73 _ _ _ _	95 _ _ _ _	115 _ _ _ _	137 _ _ _ _
14 _ _ _ _	34 _ _ _ _	54 _ _ _ _	74 _ _ _ _	96 _ _ _ _	116 _ _ _ _	138 _ _ _ _
15 _ _ _ _	35 _ _ _ _	55 _ _ _ _	75 _ _ _ _	97 _ _ _ _	117 _ _ _ _	139 _ _ _ _
16 _ _ _ _	36 _ _ _ _	56 _ _ _ _	76 _ _ _ _	98 _ _ _ _	118 _ _ _ _	140 _ _ _ _
17 _ _ _ _	37 _ _ _ _	57 _ _ _ _	77 _ _ _ _	99 _ _ _ _	119 _ _ _ _	141 _ _ _ _
18 _ _ _ _	38 _ _ _ _	58 _ _ _ _	78 _ _ _ _	100 _ _ _ _	120 _ _ _ _	142 _ _ _ _
19 _ _ _ _	39 _ _ _ _	59 _ _ _ _	79 _ _ _ _	101 _ _ _ _	121 _ _ _ _	143 _ _ _ _
20 _ _ _ _	40 _ _ _ _	60 _ _ _ _	80 _ _ _ _	102 _ _ _ _	122 _ _ _ _	144 _ _ _ _



# Summer Science School – Whales of North Carolina



Sperm Whale (*Physeter macrocephalus*)

## Across

1. an autopsy on a non-human
3. the taxonomic order of whales, dolphins, and porpoises
4. when dolphins were hunted in North Carolina, their lower jaw oil was used as a \_\_\_\_\_
6. feeding apparatus of mysticetes (hangs from the upper jaws)
9. the waxy substance found in the head of sperm whale
10. the organ used to focus and amplify sound in odontocetes
11. true or false: dolphin lay eggs in their nests in trees
15. the kind of dolphin seen year-round in NC coastal and estuarine waters
16. like all mammals, cetaceans are \_\_\_\_-blooded
19. "Echo" stranded at Cape \_\_\_\_\_
20. the first name for the instructor for this camp
21. \_\_\_\_\_ fin is in the middle of a dolphin's back
22. much like sonar, toothed whales use this to navigate and find food
23. the name of the ocean off North Carolina
24. the most endangered whale in the North Atlantic Ocean

## Down

2. a method used to recognize individual dolphins
5. the largest animal on earth
7. the largest brain on earth belongs to the \_\_\_\_\_
8. the only species of porpoise found on the US east coast
9. a local predator of bottlenose dolphins
12. a frequent anthropogenic cause of dolphin deaths
13. the name of the town you're in
14. the tool whalers used to initially stab a whale
15. all whales (including dolphins and porpoises) breath through a \_\_\_\_\_
17. the whale with the longest pectoral fin
18. another name for a dolphin's flipper

